



BULLETIN

*Mary
Washington College
of the University
of Virginia*

CATALOGUE ISSUE 1971-72







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VISITORS

Visitors are welcome at Mary Washington College, and provision usually can be made, when the College is in session, to guide them through the buildings and grounds.

A personal interview is not ordinarily required for admission. However, when planning to visit the College, an applicant should make an appointment well in advance.

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COLLEGE CALENDAR

Summer Session 1971

Residence halls open	June 13
Registration	June 14
Classes begin	June 15
Holiday	July 5
Reading Day	August 4
Final examinations	August 5, 6, 7

Session 1971-1972

First Semester

August 30	Freshman advising
August 31	Freshman registration
September 1	Classes begin
October 19	Mid-semester reports due
November 24 (2:05 p.m.) to	Thanksgiving Holiday
November 29 (8:00 a.m.)	
December 7	Classes end
December 8-9	Reading days
December 10-18	Examinations

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CALENDAR

Second Semester

January 17	Classes begin
March 7	Mid-semester reports due
March 10 (5:30 p.m.) to	Spring break
March 20 (8:00 a.m.)	
May 3	Classes end
May 4-5	Reading days
May 8-17 (12:00 noon)	Examinations
May 20	Graduation

Summer Session 1972

Dates to be Announced

*General
Information*





Introduction

Mary Washington College is a state-aided liberal arts college and a part of the University of Virginia. As such, it has an obligation to the people of the Commonwealth of Virginia to provide, without regard to race, creed or national origin, an educational program of the highest quality.

As a liberal arts institution, Mary Washington College is convinced that a broad education in the arts, the sciences, and the humanities, complemented by intensive study in a particular field of interest, constitutes an excellent preparation for life and citizenship.

The College upholds the values of freedom of inquiry, personal responsibility, and intellectual integrity.

Finally, Mary Washington College is committed to serve with distinction the community, the state, and the nation through the selection of qualified students, the maintenance of a competent faculty and staff, and the development of an appropriate academic, cultural, and physical environment.

Mary Washington College is accredited by the Southern Association of Colleges and Secondary Schools. It is a member of the Southern University Conference, the American Council on Education, the Association of American Colleges, the Association of



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Virginia Colleges, the College Entrance Examination Board, the National Commission on Accrediting, the Southern Association of Colleges for Women, the University Center in Virginia, and the National Association of Schools of Music.

Mary Washington College is a corporate member of the American Association of University Women, which is affiliated with the International Federation of University Women (IFUW). Graduates are eligible for membership in the national and international organizations. There is a local branch of the AAUW in Fredericksburg.

There are also local chapters of Phi Beta Kappa, the nation's oldest and most prestigious honorary organization, and Mortar Board, the national honorary organization for senior women, at Mary Washington College. Other national honorary groups with chapters at the College include: Alpha Phi Sigma (scholastic), Alpha Psi Omega (dramatic arts), Chi Beta Psi (science), Eta Sigma Phi (classics), Mu Phi Epsilon (music), Omicron Delta Epsilon (economics), Phi Sigma Iota (Romance Languages), Pi Gamma Mu (social sciences), and Phi Chi (psychology).

History

Founded as the Fredericksburg Normal and Industrial School for Women in 1908, Mary Washington College has experienced a growth closely paralleling the development of education for women in the State of Virginia. The coordination of the College with the University of Virginia was the culmination of efforts by the women of Virginia to gain educational opportunities comparable to those provided by the State for men.

By the beginning of this century the Virginia General Assembly began a move to provide a more adequate education for the young women in the state. This resulted in the establishment of two normal schools, one in Fredericksburg and the other in Harrisonburg. In 1909 the State made an appropriation of \$25,000 for the purchase of land in or near Fredericksburg. A sixty-acre site on Marye's Heights overlooking the city was subsequently chosen. By 1924 the normal school had developed beyond its original mission and as a result of action by the General Assembly, the College then became the State Teachers' College, Fredericksburg.

The curriculum was divided into a two-year and four-year program. Those students successfully completing the four-year program received a B.S. degree in education plus the regular state collegiate professional certificate, while those completing the two-year program earned a normal professional or special teacher's certificate.

A further change occurred in 1935 when, in recognition of the necessity for providing a balanced education for women that was not oriented solely toward the teaching profession, the College was given the additional privilege of conferring degrees in the liberal arts, as well as in the professional, vocational, and technical fields. From this point on, the College was in fact a state college for women.

This shift in emphasis led in turn to the third change of name for the Fredericksburg institution—to Mary Washington College—by act of the General Assembly in 1938.



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The fourth major change occurred in 1944 when a bill was brought before the state legislature to make Mary Washington College the undergraduate college of arts and sciences for women of the University of Virginia.

With the establishment of Mary Washington College as the women's college of the University, emphasis was placed upon the liberal arts. Courses that were regarded as primarily vocational were either eliminated or continued on a non-credit basis. By 1948 the initial transition was completed.

Since that time, academic growth has continued. A number of changes have been implemented to emphasize further Mary Washington College's role as a liberal arts college; as the needs in liberal arts have changed, so too has the College.

Most recently, in April, 1970, restrictions on the admission of males were removed from Mary Washington's charter and the College became coeducational, admitting men to the regular session in September, 1970. Mary Washington draws its students from almost every state—and enrolls a number of students from foreign countries.

The name—Mary Washington College—combines historic significance and background with local associations. Within sight of the hill on which the College is located are the home and tomb of Mary Washington; and Kenmore, the home of her daughter, Betty Washington Lewis. The College grounds were at one time a part of the Lewis estate.

Location and Environment

The Mary Washington College campus, which also includes the historic Brompton estate, comprises 381 acres, the major part situated on Marye's Heights overlooking the city of Fredericksburg and the Rappahannock Valley. Immediately adjacent to the Fredericksburg and Spotsylvania National Military Park, the grounds were the site of the Civil War Battle of Fredericksburg; long before that, it is said, a portion of the area was an Indian village.

The City of Fredericksburg has now enveloped the College property, which has, however, remained an integral unit, unbroken by the urban development. Some thirty-three buildings are located on the campus and, in addition, there are a golf course, athletic fields and tennis courts, a new physical education building containing an Olympic-size swimming pool, and an outdoor amphitheatre. Though the buildings are widely situated on the wooded grounds, they are within easy walking distance of one

another and not far from the downtown business district of Fredericksburg and other more recently constructed shopping centers.

Fredericksburg is situated halfway between Washington, D.C. (55 miles), and Richmond, Virginia (55 miles), and is easily accessible from the north or south on Interstate Highway 95 or U.S. Route 1, or from the east or west on U.S. Route 17 or Virginia Route 3. Bus transportation (Greyhound or Trailways) and rail transportation (Richmond, Fredericksburg, and Potomac Railroad) are also readily accessible. The closest commercial airlines facilities are at the National Airport and Dulles International Airport, both serving Washington, D.C., and each an hour's ride from the College; or at Byrd Airport in Richmond, only slightly further away.

Fredericksburg is a city of 15,000 with modern shopping and tourist facilities. There exists a very cordial relationship between the College and the community, and the students are a part of this relationship whether as shoppers, as part-time employees at local businesses, or as members of church congregations.

The City and surrounding area have played an important role in American history from the time Captain John Smith and his followers sailed up the Rappahannock River in 1608 until the present. Sometimes called "America's Most Historic City," Fredericksburg is identified with much of the nation's earlier history. Americans such as Alexander Spotswood, George Washington, James Monroe, James Madison, and John Paul Jones were closely associated with it, as were many other colonial history-makers. In addition, four major engagements of the Civil War were fought in the Fredericksburg area—all encompassing Marye's Heights where the College is located—and the reminders of America's heritage are still clearly present.

Brompton, now a part of the College grounds and the residence of its Chancellor, was once headquarters for the Confederate forces defending the City and center of the Federal attack in both the first and second battles of Fredericksburg. Also located on the College grounds is a memorial to Confederate Sergeant Richard Kirkland of South Carolina, a hero of the Battle of Fredericksburg. The memorial was created by sculptor Felix de-Weldon and dedicated in 1965.

Thousands of interested Americans and foreign visitors come to Fredericksburg each year to re-live history by touring these important landmarks. As an accommodation the City operates



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Information Centers on Interstate Highway 95 and at the corner of U.S. Route 1 and Princess Anne Street in the City.

Buildings and Accommodations

The architecture of Mary Washington College may best be described as neo-classical in the Jeffersonian tradition. The red brick, white-columned buildings have been situated in an orderly manner on the campus, utilizing as much as possible the existing natural surroundings. The thirty-three structures include eighteen residence halls and nine academic buildings.

Academic Buildings

Chandler Hall. Named in memory of Algernon B. Chandler, Jr., President of the College from 1919 until his death in 1928, this building contains offices, classrooms, seminar rooms, and laboratories for English, home economics, and psychology.

Combs Science Hall. This modern, four-story science complex honors the late Morgan L. Combs, President of the College from 1929 to 1955. It provides lecture rooms, offices, laboratories, and other facilities for instruction in astronomy, biology, chemistry, geography, geology, mathematics, and physics. It has adequate space to make possible continued expansion of course offerings in these fields.

Fine Arts Center. The Fine Arts Center contains three separate buildings connected by arcades: Jessie Ball duPont Hall, Gari Melchers Hall, and John Garland Pollard Hall.



duPont Hall. The central building of the group constituting the fine arts complex is named in honor of the late Jessie Ball (Mrs. Alfred I.) duPont of Wilmington, Delaware, and Ditchley, Virginia, in recognition of her interest and generosity to the College and of the fact that she was a close lineal descendant of Mary Ball Washington for whom the College is named. This central unit contains exhibit rooms, classrooms, a broadcasting studio, and language laboratories. It also houses a theatre with a seating capacity of 300, rehearsal rooms, make-up rooms, and a scenery loft. Classes in dramatic arts and speech and modern foreign languages use these facilities.

Melchers Hall. The south building of the complex is named in honor of the late Gari Melchers, internationally known artist, whose home, Belmont, in nearby Falmouth, is now a memorial under the trusteeship of the College. Melchers Hall is devoted to such arts as painting, sculpture, printmaking, and ceramics, and contains art history classrooms, studios, kilns, offices, and work-rooms. Housed here also is the fast-growing and carefully selected slide library for use in the art history classes.

Pollard Hall. The north building, bearing the name of the late John Garland Pollard, Governor of Virginia, Attorney-General, college professor, and patron of the arts, is devoted exclusively to music. It contains classrooms, studios for individual instruction, band practice rooms, and offices.

Monroe Hall. This structure was named for President James Monroe, who lived in Fredericksburg and whose life was closely identified with the community. It contains classrooms and offices for the departments of classics, economics and political science, education, history, and religion. It has an assembly hall with a seating capacity of about 200.

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E. Lee Trinkle Library. Named in honor of the late E. Lee Trinkle, former Governor of Virginia and for many years President of the State Board of Education, once the governing board of the College, the library contains more than 210,000 volumes.

It is a large air-conditioned facility and provides ample study and reading space. An open stack system permits students to browse and to work directly with the book collection. Typing rooms, individual study cubicles, microfilm readers, coin-operated xerox facilities, and a hook-up on a state-wide library teletype system for inter-library lending are a few of the services and facilities available.

In an effort to maintain accurate and up-to-date material for classroom and research purposes the library subscribes to and catalogues nearly 1,200 periodicals and newspapers. In addition, the library is a depository for selected government documents; it maintains a record collection as well as a music manuscript collection.

In 1964, the library opened a rare books room which provides ready access to a growing collection of first and important editions. Included are numerous works meaningful to students in an undergraduate college: they range from Boswell's *Life of Johnson* and Johnson's *Dictionary* to Newton's *Opticks* and works by James Joyce.

George Washington Hall. This facility is named in honor of George Washington, whose life was closely connected with Fredericksburg and this section of Virginia. It contains the administrative offices, classroom and office facilities for the philosophy department, the telephone exchange for the College, the internal mail facility and central duplication services for the College. It also contains the largest auditorium on the campus with a seating capacity of more than 1,600.

Goolrick Hall. The newest building on the campus has been named for the late C. O'Connor Goolrick, who, as a member of the General Assembly of Virginia, sponsored the 1908 legislation establishing the College. It contains all the facilities and equipment necessary for a complete physical education program. There are, for example, an indoor swimming pool, a large gymnasium and auxiliary gym, a handball court, dance studios, sun decks, and an exercise room. In addition several academic departments share offices and classrooms in the building.

Other Buildings

Brompton. Brompton is the home of the Chancellor of the College and is situated on a 174-acre site near the main campus. The first unit of the colonial brick mansion is believed to have been erected about 1730. It was enlarged and completed in 1836 by Colonel John L. Marye and restored, after purchase by the College, in 1946.

In a report by historians for the Fredericksburg and Spotsylvania National Military Park, it is stated that "no other house on the American continent is more important or better known in connection with military history, and few other homes are better examples of their type."

Also located on this tract of land, which comprises the major portion of the original estate, is the College's nine-hole golf course.

Belmont. Located in Falmouth across the Rappahannock River from Fredericksburg, Belmont is the estate where Gari Melchers, the noted American artist, lived and worked during the last sixteen years of his distinguished career. As a memorial to her husband, Mrs. Corinne Lawton Mackall Melchers deeded Belmont and many of his paintings to the Commonwealth of Virginia. The property is now administered by Mary Washington College. Many of the Melchers paintings may be seen in the College offices and other buildings.

Anne Fairfax. Named in memory of the wife of George Washington's half-brother, Lawrence, this white frame structure faces College Avenue and houses the office of the Dean of Students.

Ann Carter Lee Hall. Popularly known as the "student activities building," this structure bears the name of the mother of Robert E. Lee. It provides such recreational areas as a ballroom, reception rooms, television facilities, informal lounges, the College bookstore, and the "C Shop," a campus snack bar. Located here are the offices of the major student organizations, as well as an office maintained by the Dean of Students.

Hugh Mercer Infirmary. Named for Dr. Hugh Mercer, a physician of Fredericksburg and a brigadier-general in the Revolutionary War, the infirmary is a modern, thirty-seven bed medical facility. Every room is provided with private or connecting bath. There are also isolation wards, a solarium, a sun deck, a dining room and kitchen.

It is maintained on a twenty-four hour a day basis by a staff of nurses, and a staff of physicians residing in the community are available at all times.

Seacobeck Hall. A Seacobeck Indian village is believed to have once occupied the present site of the campus dining hall. It has a central kitchen, five main dining areas and a reception room. It also is equipped with its own bakery, ice plant and storage facilities.

Spotswood House. Originally built as a home and used for a time as a small residence hall, this frame building located opposite the main entrance to the College is now occupied by the Alumnae Association. Alexander Spotswood was a colonial governor of Virginia.

Amphitheatre. The outdoor amphitheatre is set on the slope of a hill in a natural grove of trees and has a seating capacity of approximately 1,500. It is used for a number of events each year.

Post Office. College Station, a branch of the Fredericksburg Post Office, is located on College Avenue, across the street from the main campus, and provides individual mail boxes for students in addition to other postal services.

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Residence Halls

The eighteen (13 major and 5 minor) residence halls on campus are for the most part centrally located and close to the academic buildings. All of them provide comfortable housing with ample ventilation and light. The major halls accommodate from 50 to 180 students, while the minor halls normally house from 15 to 20 students. These smaller facilities serve as special purpose dormitories, such as language houses, and one of them is the residence of the student government president and three other student officials.

Many of the halls are arranged in suites with connecting baths, while the newer structures employ a "unit complex" concept in which small groups of students reside in two-student rooms and share common facilities somewhat as they would do at home.

All of the major residence halls have reception rooms, recreation areas, kitchenettes, washers and driers, and pressing rooms. Each hall is also equipped with a color television set, usually located in the recreation area, which will receive educational as well as commercial network programs. Students may bring their own sets if they desire, but external antennas are not available.

Students admitted to the College as freshmen are assigned a room in one of four predominantly freshman residence halls on the campus. Returning students select their roommate and room during the preceding school session.

Admissions





Admission Requirements

The general requirements for admission to Mary Washington College are as follows:

Scholastic Preparation.

The general academic requirements for admission are graduation from an accredited* high school or preparatory school, and credit for at least sixteen acceptable entrance units.**

The sixteen academic units must include the following: English (four units), college preparatory mathematics (three units selected from algebra, geometry, trigonometry and calculus, or a combination of these courses), foreign language (two units in the same language), social studies (one unit), and science (one unit). The remaining units should consist of additional academic units, but no credit is allowed for less than two units in a foreign language.

A student attending a five-year school or one who begins traditional secondary school subjects in the eighth grade must complete eighteen academic units in order to meet the minimum requirements for admission. In any case, eleven of the units must be distributed as outlined in the preceding paragraph.

Examinations

An applicant is required to take the Scholastic Aptitude Test; the achievement tests in English composition and in a foreign language, preferably the language to be continued in college; and an achievement test in a field in which the student wishes to demonstrate special aptitude or proficiency.

The tests normally should be taken in December or January of the senior year. Under no circumstances can a test date later than the January administration of the senior year be used for purposes of admission in September. Candidates for enrollment in February must complete the tests no later than the December testing. A student may submit the results of tests taken prior to the senior year if the scores are comparable to the average maintained by entering students at Mary Washington College.

* A school which is accredited by the state or a regional accrediting agency.

**An entrance unit represents a year's successful study of a subject in a high school or preparatory school, the class meeting five times a week.





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Information about the tests may be obtained from the College Entrance Examination Board, Box 592, Princeton, N. J., or from secondary school counselors. In applying for the tests the applicant should specify that the results be sent to Mary Washington College.

Applicants who are at least twenty-one years of age may be admitted as special students, provided they give evidence of serious purpose and show adequate preparation for a liberal arts program. An applicant for special student status should submit the results of the Scholastic Aptitude Test but normally achievement test results are not required. All other applicants must meet the quantitative requirements outlined above.

Character, Personality and Interests

A recommendation by an appropriate secondary school official, including information about the student's character, interests, attitudes, and habits as a member of the school community is required. The school officials are also required to make an assessment of the applicant's academic promise. Provision for this information is made on the reverse side of the transcript form. Activities that reflect leadership or intellectual interests are impressive only if they reinforce sound academic achievement. Since Mary Washington operates under a successful honor system, assurance of personal integrity is indispensable.

Health

Each student before entering the College is required to present a certificate from a physician indicating the results of a recent physical examination. If this examination reveals the need for



further information pertinent to the health and welfare of the student, such information should be included with the certificate.

An up-to-date physical examination is required for each session a student attends the College. Although every effort is made to mail forms for completing this examination to all readmission students as well as freshman and transfer students, it is the responsibility of the individual student to see that the examination is undertaken and the results reported to the College on the appropriate form. Normally this form is mailed directly to the student around July 1.

Committee Review

The Committee on Admissions examines each application for evidence of qualifications appropriate to the purpose of the College and approves applicants—including those wishing to enter the five cooperative professional programs for which Mary Washington provides the liberal arts base—only if they seem prepared to succeed in a competitive, liberal curriculum.

In attempting to judge which applicants are most likely to succeed in competition with their fellow students, the Committee considers many factors. Among them are academic achievement, class rank, aptitude and achievement test results, a pattern of courses demonstrating interest and competence in the liberal arts and sciences, and secondary school recommendations.

The Committee feels that the senior year is extremely important, and such basic academic subjects as English, mathematics, laboratory sciences, and foreign language, particularly the latter, should be continued through the final term.



Directions for Applying

Students interested in applying should request all necessary forms from the Director of Admissions early in the first semester of their senior year. An application for admission will be mailed to the student together with a secondary school transcript form. The application should be completed and signed by the applicant and a parent or guardian and returned directly to the College, preferably during the first semester of the senior year although March 1 is the deadline. The transcript blank should be completed by the appropriate official of the school from which the applicant has been graduated or expects to be graduated and returned to the Director of Admissions. Included on the transcript form should be a list of subjects the student is, or plans, to undertake during the senior year.

A non-refundable fee of ten dollars (read carefully, Application Fee, page 33) must accompany the application. No applicant will be considered by the Committee on Admissions until these forms, the appropriate test scores, and the fee have been received.

The Committee on Admissions will make a preliminary evaluation of this material and will make a final decision upon receipt of the first semester grades and the results of the required College Board examinations.

If the student's record is approved and living facilities are available, he will be notified of acceptance, usually by April 1. Acceptance is for a specific session of the College. If the student does not enroll then, a new application must be filed.

Upon notification of acceptance, the student is requested to submit a one hundred-dollar room deposit within two weeks of the date of the acceptance letter. A day student is requested to make a fifty-dollar tuition deposit within two weeks of the date of the acceptance letter. This money will be applied to the first semester charges and it is refundable upon request until May 1 or until January 1 if for admission to the second semester.

Early Decision Plan

A candidate who selects Mary Washington College as a first choice may wish to apply for admission under the first choice early decision plan. This plan requires that the candidate certify on the appropriate form that Mary Washington is his first choice college and that he will accept an offer of admission if it is extended by the Committee on Admissions. The candidate may wish to initiate applications to other colleges should this seem advisable but he must agree to withdraw such applications when notified of acceptance by Mary Washington College.

A candidate who applies under these terms should request the Early Decision form together with the regular Application for Admission. These forms should be completed and returned, together with a secondary school transcript form, prior to November 1 of the applicant's senior year in secondary school. The results of the Scholastic Aptitude Test and the three achievement tests should be submitted also to the College prior to November 1.

The Committee on Admissions will act on the early decision requests and will notify candidates by December 1 of the admissions decision. Upon notification of acceptance, the candidate must submit a statement accepting the early offer of admission and certifying that any other applications have been canceled. The statement must be accompanied by a one hundred-dollar non-refundable room deposit or in the case of a day student a fifty-dollar tuition deposit. The fee is credited to the student's account for the first semester.

The Committee on Admissions will offer early decisions to a maximum of one hundred candidates. Should the Committee not act favorably on an early decision request, the applicant's file will remain active and the Committee will reconsider it after additional grades and/or scores are submitted by the candidate at the end of his seventh semester in secondary school.

Candidates for early decision who also seek financial aid should submit the Parents' Confidential Statement prior to November 1. These requests will be acted upon and the students notified of awards prior to December 1.



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The Advanced Placement and the College-Level Examination Programs

A student who has completed one or more college-level courses while still attending a secondary school may receive college credit for this work at Mary Washington College. Those who desire to qualify for consideration of credit should take the appropriate examination in the Advanced Placement Program of the College Entrance Examination Board and have the results forwarded to the College. The examinations are offered in the third week of May and are provided in American History, Biology, Chemistry, English, French, European History, German, Latin, Mathematics, Physics and Spanish.

In addition the College participates in the College-Level Examination Program, also administered by the College Entrance Examination Board. A student may take one or more of the Subject Examinations in the series and apply for college credit. Acceptance of examination scores in lieu of course work is determined by the Dean and the individual departments concerned.

These examinations may not be substituted for Advanced Placement examinations but are intended for demonstrating subject matter competency which has been achieved outside of a formally structured and administered academic program.

Further information about either the Advanced Placement Examination Program or the College-Level Examination Program may be secured from the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540.



Directions for Readmission

A student attending the College who expects to return the following session must file an application for readmission. The form is mailed to the student in January and must be returned by March 1 with a ten-dollar application fee and a one-hundred-dollar room deposit or a fifty-dollar tuition deposit for a day student. Any student whose completed application form and fees are received after March 1 must be placed on a waiting list for residential accommodations; the College cannot assure these students that space will be available for the following session.

The ten-dollar fee is non-refundable; the one hundred-dollar room deposit or fifty-dollar tuition deposit, which is applied to the student's account for the following session, is not refundable after May 1 unless the student is academically or residentially ineligible to return, or except in very unusual circumstances, based on the merits of the case as determined by the Comptroller and the Director of Admissions.

Readmission is approved for the session immediately following. If a student does not return at this time a subsequent application for readmission will be treated as a new application for admission.

A student who has withdrawn from the College or is suspended for other than academic reasons, is not automatically readmitted but must make application. If another institution has been attended, the work there as well as that done at Mary Washington College will be taken into consideration by the Committee on Admissions.

Although the College makes every effort to furnish readmission applications directly to enrolled students, it is the responsibility of the individual student to see that the above regulations are met. Application forms may be obtained from the Director of Admissions.

Admission by Advanced Standing

Admission Requirements

For admission with advanced standing the applicant must satisfy the general requirements for admission (See pp 19) and in addition meet the following standards:

An applicant should have earned approximately a "B" average in all college-level work. A student may be considered only if entitled to honorable dismissal without academic or residential probation in the last institution attended; and must have received the recommendation of the dean, director, or other authorized administrative officer of that college.

An applicant must satisfy the secondary school entrance requirements at Mary Washington College, using advanced credits for this purpose if necessary.

A candidate must submit the results of the Scholastic Aptitude Test. Normally, achievement tests are not required, but the Committee may request a student to take specific examinations.

Residence Requirements

A student must be enrolled at Mary Washington College at least four semesters, including the last semester, to be eligible for a degree.

A candidate for a degree must earn at least eighteen hours of the major subject at Mary Washington College.

Students wishing to enroll in one of the cooperative programs, such as those in medical technology and speech pathology, must be enrolled at Mary Washington College at least four semesters. No transfer students are accepted for the cooperative program in nursing.

Directions for Application

Upon request, the Director of Admissions will send an application for admission, a secondary school transcript form and an Inter-College Confidential Form. The application, signed by the applicant and a parent or guardian, should be sent to the College.

The transcript blank should be completed by the appropriate official of the secondary school from which the applicant was graduated and returned directly to the Director of Admissions.

Information requested on the Inter-College Confidential Form should be provided by the Dean of Students or other appropriate official at the applicant's current college. The applicant should request that this, as well as a complete transcript of all course work attempted to date, be forwarded to the Director of Admissions here.

Applicants are urged to submit a transcript, Inter-College Confidential Form, and a personal application early in the first semester of the year prior to transferring. The Committee on Admissions will make a preliminary evaluation of this material and will make a final decision upon receipt of the first semester or second quarter grades.

If the applicant's record is approved by the Committee on Admissions and living facilities are available, the applicant will be notified of acceptance, usually by April 1. Upon notification of acceptance, the student is requested to submit within two weeks a one hundred-dollar room deposit or a fifty-dollar tuition deposit if the student will be a day student. This money will be credited to the first semester charges and is refundable upon request until May 1. Acceptance is for a specific session of the College. If the student does not enroll then, a new application must be filed.

An application fee of ten dollars (read carefully, Application Fee, Page 33) should be sent to the Director of Admissions by the applicant. No applicant will be considered for enrollment by the Committee on Admissions until the completed application, all other forms, and the fee have been received.



Transfer of Credits.

The College will accept credit for work completed at other institutions under the following conditions:

For Transfer Students Admitted With Advanced Standing.

The evaluation and allowance of credits will be provisional until the student has completed one semester's work at Mary Washington, after which transfer credits may be subject to re-evaluation. Credit is allowed only for courses equivalent to courses offered at Mary Washington and only for courses which the student has completed with a grade of "C" or better. Transfer students must earn a "C" average or better on all work taken at Mary Washington and in courses in their major subject. Transfer credits do not affect a student's quality point standing in any way.

For Students Transferring Credits From Other Branches of the University of Virginia.

Quality points will be recorded as earned, but may not be used to earn special academic honors or to improve a student's academic standing.

For Students Already Enrolled At Mary Washington College.

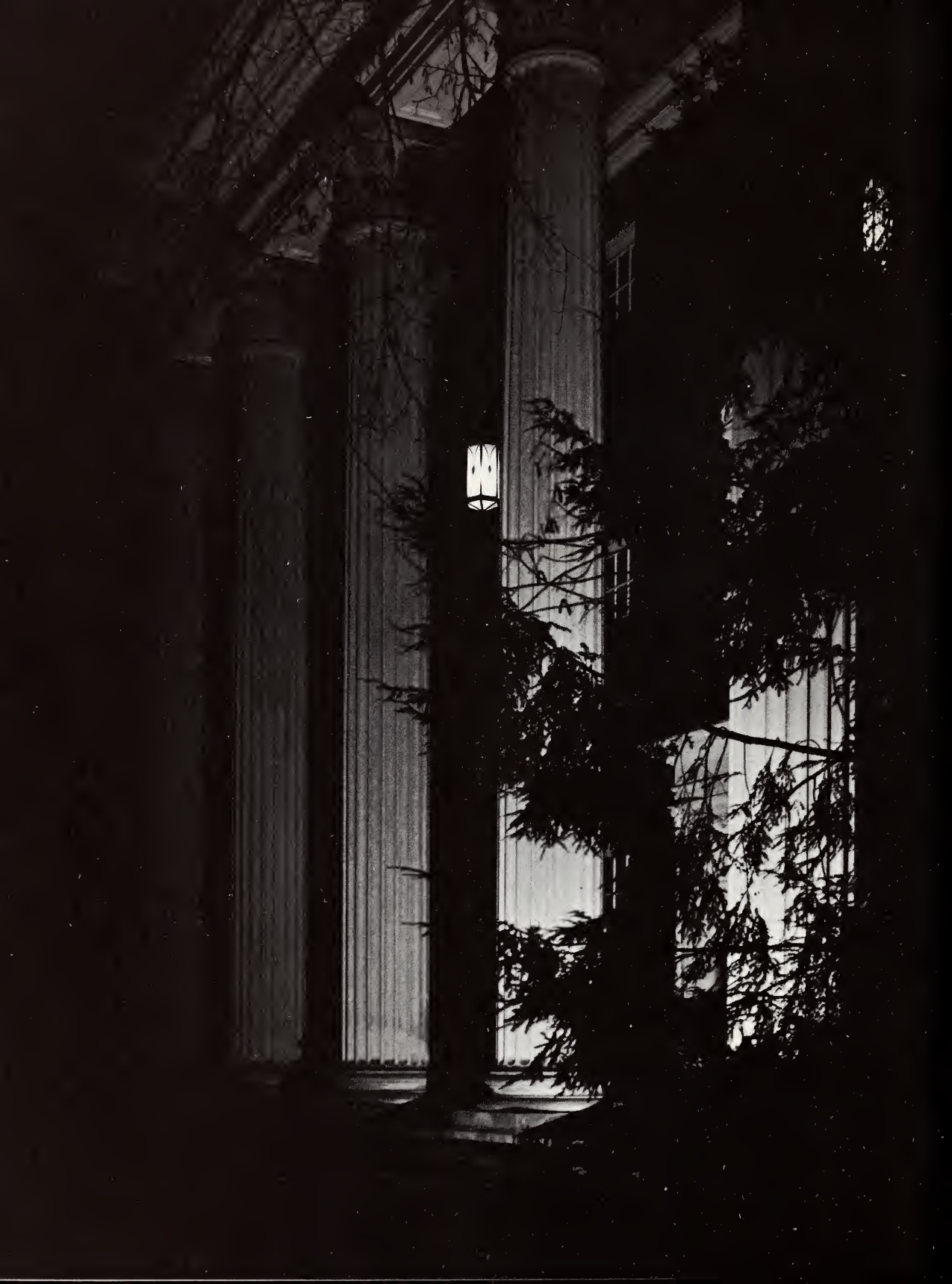
A student wishing to earn credits at another institution, either in the summer or during a regular session, must obtain permission in writing to do so from the Office of the Dean. Credit for courses taken elsewhere will be allowed according to the regulations stated above.

Correspondence courses are not credited toward a degree. Extension classes may be taken for credit only with permission of the Dean and the chairman of the department concerned, and under no circumstances may more than thirty hours of extension course credit be counted toward a degree.



Finances





Semester Fees And Expenses

Students Living in Residence Halls

	VIRGINIA STUDENTS	NON-VIRGINIA STUDENTS
Tuition.	\$ None	\$ 755
General college fees	\$ 685	685
Student activity fee	27	27
Residential fee	468	468
Board	420	420
Total—Session of Nine Months.	\$1600	\$2355
Semester Charge Payable		
September 1 and February 1....	\$ 800	\$1177.50

Full- Time Day Students

	VIRGINIA STUDENTS	NON-VIRGINIA STUDENTS
Tuition.	\$ None	\$ 755
General college fees	\$ 685	685
Student activity fee	27	27
Total—Session of Nine Months...	712	\$1467
Semester Charge Payable		
September 1 and February 1.....	\$ 356	\$ 733.50

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FINANCES

The fees itemized above are subject to change.

Off- Campus Teacher Training

Fees charged to students participating in the off-campus teacher training program will be commensurate with the fees published in this section. Charges will be based on the number of credit hours for which the student is enrolled at the normal fee for those credit hours.

Contingent Fee

A contingent fee of \$10.00 is charged all full-time students and may not be deducted from the charges due on admission to the College. Students will be held responsible for the care and preservation of College property and, as far as possible, all damage to buildings and equipment will be repaired at the expense of students causing such damage. At the end of the session, the whole or such part of the contingent fee as may be due the student will be returned.

Part- Time Students

The minimum charge for a part-time program (1 to 3 hours' credit) is \$90.00 per semester. For each semester hour of credit over three, there is an additional charge of \$25.00 per credit hour. A student who is not a legal resident of the State of Virginia will be charged a non-resident tuition fee of \$30.00 per semester hour of credit in addition to the above charges.

In addition to the fees above, students enrolling only for courses with individual instruction in music or art will be charged an additional \$50.00 for each such course.

No student will be admitted on a part-time basis who registers for more than ten semester hours of credit. Part-time students are not entitled to laundry, infirmary or dining hall services; neither are they entitled to free admission to those events covered by the Student Activity Fee.

No student may reside on campus who is enrolled as a part-time student.

Students enrolled for classes for no credit will be charged at the same rate as those enrolled for credit.

Students who live off campus can make provisions to take meals in the dining hall by notifying the Office of the Comptroller. The dining hall charges will be billed on a semester basis. Off campus students must pay the full board charge as specified on page 31. The meal charge cannot be prorated to include only one or two meals per day.

Classification as a Virginia Student

Title 23, Sec. 7 of the 1950 Code of Virginia states: "No person shall be entitled to the admission privileges, or the reduced tuition charges, or any other privileges accorded by law only to residents or citizens of Virginia, in the State institutions of higher learning unless such person has been domiciled in and is and has been an actual bona fide resident of Virginia for a period of at least one year prior to the commencement of the term, semester or quarter for which any such privilege or reduced tuition charge is sought, provided that the governing boards of such institutions may require longer periods of residence and may set up additional requirements for admitting students."

Classification as a Virginia student, as defined by The Rector and Board of Visitors, is as follows:

In order to be considered a Virginia student for any given semester, it is necessary that the applicant, who takes the legal residence of his father, shall have been domiciled in the State of Virginia for at least one year immediately preceding the beginning of that semester, and that the applicant's father must have been a bona fide taxpayer (paying income taxes on the father's total income) to the State of Virginia for the calendar year immediately preceding the calendar year of registration.

A student who is twenty-one (21) years of age must show evidence that he has established residence and that he has declared himself a legal resident of the State of Virginia.

For tuition purposes, the married female student takes the legal residence of her husband unless she has shown evidence of establishing her legal residence as different from that of her husband.

Residence in the State for the purpose of securing an education does not qualify an individual for classification as a Virginia student.

Application Fee

An application fee of \$10.00 must accompany every application for admission, both from new students and from upperclassmen applying for readmission. No admission will be acted upon by the Committee on Admissions until this fee has been received.

This application fee of \$10.00 is to be paid by every new student whether he lives on or off the campus. It is a payment entirely separate from other fees and cannot be deducted from charges due on entrance to the College. **THIS FEE IS NOT REFUNDABLE** but is applied to the cost of processing the application for admission.

Since residence accommodations are limited, making it necessary to deny admission to many applicants each year, it is advisable to comply with the requirements for admission (see Directions for Application, page 22) as far in advance of the opening of the session as is practicable.

Terms of Payment

All fees, room rent, and board are payable in advance by the semester.

Statements for students' fees and expenses for the first semester will be mailed the first part of August and the middle part of December or early January for the second semester. Payment in full is due for the first semester by August 16 and by January 10 for the second semester. Scholarships and loans are applied one-half to each semester. This credit should appear on the statement mailed by the College.





Any variations from the terms of payment must be approved in writing by the Comptroller prior to the payment dates listed above. If student accounts are not paid in full by the required date, the account may be subject to a \$10.00 late payment penalty.

Failure to meet payments when due or to make other satisfactory arrangements may result in suspension of the student from College until the account is brought up to date.

Remittance should be made to Mary Washington College and sent to the Comptroller.

New Students

After notification of acceptance from the Director of Admissions, a room deposit of \$100.00 is required or a \$50.00 tuition deposit is required if a day student. No student will be assigned a residence hall room until the payment of \$100.00 has been received. This payment is not refundable after May 1, but is applied toward the fees for the session immediately following. Exceptions to this policy will be made only in the most unusual circumstances, based on the merits of the case as determined by the Comptroller and the Director of Admissions.

Returning Students

All students applying for readmission are required to make by March 1 either a \$100.00 room deposit or a \$50.00 tuition deposit if a day student. This payment is not refundable after May 1, except in unusual circumstances, based on the merits of the case as determined by the Comptroller.

Refund of Fees

Students who withdraw from the College during the semester will be charged in accordance with the following schedule:

Withdrawal	General	Tuition
During Semester	College Fees	
1-15 days	\$75.00	\$85.00
15 days—middle of semester	One-half semester charge	One-half semester charge
After middle of semester	No refund	No refund

After the middle of a semester, no refund of general college fees or tuition will be made except in case of personal illness and upon recommendation of the College or family physician.

Residential fee: Except in the first 15 days of the semester, no refund of this fee will be made.

Board: For the purpose of calculating refunds, board will be charged at a rate of \$1.65 per day for each day in residence.

Credit

No credit will be awarded, diploma granted, or transcript of credits furnished a student until all financial obligations to the College, other than student loans, have been paid or secured by other financial arrangements.

All previously incurred expenses at the College must be paid in full or secured before a student may re-enter at the beginning of any semester.

Other Fees

Riding Fees—For instruction in riding the fees are as follows:
Two hours a week (recreation only).....\$90.00 each semester
Four hours a week (recreation or credit)\$150.00 each semester
Unlimited hours (recreation or credit).....\$180.00 each semester
Recreational riding on a

non-scheduled basis.....\$3.60 per hour

Bills for riding fees are collected by Grey Horse Stables. After a student has had one riding class, no refund of fees will be made unless a physician certifies that the student is physically unfit or the Registrar finds it necessary to change the student's schedule.

Academic Costume—Senior students are furnished an academic costume for use during their senior year at a cost of \$7.00.

Books and Supplies—Books and supplies are available at the College Book Store. These cannot be included in a student's college account but must be paid for in cash.

Student Bank—It is suggested that students deposit their personal funds in the Student Bank. Deposit books are furnished by the College, and personal funds are handled according to savings account procedures. The Bank, which is under the jurisdiction of the Comptroller's Office, is open at certain hours daily through the week.



Financial Assistance

Mary Washington provides scholarships, loans, and part-time employment for students in need of help in meeting their College expenses. To apply for assistance, students will file the Parents' Confidential Statement of the College Scholarship Service with the Director of Financial Aid, prior to March 1 of the year they plan to enter.

Incoming freshmen may obtain these Statements from their high schools, or by writing the College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540. They will be notified of the action taken on their applications by the Committee on Financial Aid within two weeks after they have been offered admission to the College.

Transfer students and those presently attending Mary Washington may obtain their Statements and applications from the Office of the Director of Financial Aid.

Eligibility and Tenure.—It is the policy of the College to meet the financial need of every recipient as fully as possible within the limits of available resources, regardless of race, sex, color, religion or national origin.

Awards are made on the basis of financial need with consideration given to academic achievement.

Recipients are expected to maintain good academic standing, a clear disciplinary record and when employed, render satisfactory service.

Scholarships

Alpha Psi Omega Scholarship

The Mary Washington Cast of Alpha Psi Omega awards a \$50 annual scholarship to the junior or senior major in Dramatic Arts and Speech who has maintained a high academic average, given evidence of need, and made an outstanding contribution to dramatics at the College.

Lalla Gresham Ball Scholarships

Established by Mrs. Jessie Ball duPont in memory of her mother. Applicants for these grants must be residents of one of the following counties of Virginia: King George, Westmoreland, Northumberland, Richmond, Lancaster, Essex, and King and Queen. The scholarships may be renewed annually, provided that the student remains in good standing at the College.

Bayly-Tiffany Scholarships

These awards, made by the University of Virginia upon our recommendation, are for residents of Northampton and Accomac Counties. However, if none are eligible from these areas, stu-

dents from other eastern shore Virginia counties and eastern shore Maryland counties will be considered.

Biology Scholarships

Through a generous friend of the College, an ample fund to provide scholarships in biology has been established. Awards are made to outstanding Mary Washington juniors and seniors in biology or bio-chemistry upon recommendation of their departmental chairmen. Scholarships are also available to students planning graduate work in these fields elsewhere upon completion of their degrees here.

Lt. General Albert J. Bowley Scholarship Fund

Established by Mrs. Elsie Ball Bowley in memory of her husband, Lt. General Albert J. Bowley, a distinguished officer of the United States Army. Consideration is first given to daughters of service personnel, and then to students from free foreign countries (preferably Latin Americans), or to students whose major interests and work lie in the fields of history or political science. The recipient of this scholarship will devote to the James Monroe Memorial Foundation as much of her time and services as the authorities of Mary Washington College shall prescribe.

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Carol E. Casto Memorial Scholarship Fund

Established by Mr. and Mrs. Harold J. Casto in memory of their daughter, this gift of at least half of the costs of the general college and student activities fees will be awarded annually to a resident of Virginia. Although preference is given to applicants from Arlington County, students from other counties in Virginia may apply.

FINANCES

Chancellor's Alumnae Fund

Established in 1961 by the Mary Washington College Alumnae Association. Awards are made at the discretion of the Chancellor to students, alumnae, or faculty of Mary Washington College for graduate or special study. Please address inquiries to the Director of Financial Aid.

The Chandler Scholarship

Algernon B. Chandler, President of Mary Washington from 1919 to 1928, made a bequest of \$1,000 to the College. The proceeds shall be used toward the education of a junior or senior selected on the basis of scholarship, attitude, and need.

The Hatton Lathrop Clark Scholarship

Established through the generosity of Mrs. Hatton Lathrop Clark, this full scholarship is awarded a Virginia student who, in

the judgment of the Chancellor, deserves such recognition and has genuine financial need. Please address inquiries to the Director of Financial Aid.

Davison—Foreman Foundation Grants

These outright gifts are awarded on the basis of need and academic potential with preference given to out-of-state students.

Educational Opportunity Grants

Established by the Higher Education Act of 1965, this federal matching fund is designed for students "of exceptional financial need, who for lack of financial means of their own or of their families would be unable to enter or remain in college without an Educational Opportunity Grant." Further information may be obtained from the Director of Financial Aid.

FMC Corporation, American Viscose Division, Award

The FMC Corporation, American Viscose Division, has granted the College \$1,000 to be used for scholarships or any other purpose the College believes desirable.

Martin Luther King Memorial Scholarship

This \$500 gift is awarded to Virginia residents in their freshman year with option of renewal for the sophomore year. In addition, they will receive an equal amount from the Educational Opportunity Grant to further guarantee the college education they would otherwise be unable to achieve. Please address inquiries to the Director of Financial Aid.

Mu Phi Epsilon Scholarship

Phi Psi Chapter of Mu Phi Epsilon, National Professional Music Sorority, offers an applied music scholarship of \$50. Majors in music who have reached second-semester freshman standing are eligible to apply.

Minnie Rob Phaup Memorial Scholarship

This scholarship established in memory of Minnie Rob Phaup, formerly of the Mary Washington College faculty, may be awarded to a graduating senior in psychology for graduate study.

Annie Fleming Smith Scholarship Fund

Established by Mrs. Elsie Ball Bowley in memory of Mrs. Annie Fleming Smith, whose efforts made possible the preservation of Kenmore, the home of George Washington's sister. In awarding this scholarship, primary consideration is given to students from the Virginia Northern Neck, consisting of King George, Westmoreland, Richmond, Lancaster, and Northumberland



counties. This recipient will devote to the Kenmore Association as much time and service as the authorities of Mary Washington College shall prescribe.

State Scholarship Fund

On the basis of financial need, the College offers a number of grants from \$300-\$500 for the nine-month session. Applicants must be legal residents of Virginia.

The Thomas Howard and Elizabeth Merchant Tardy Endowment Fund

Established in 1962 by Mrs. Ida Elizabeth Tardy with an initial gift of \$1,000. The income from the grant shall be used primarily to aid students descended from James R. Tardy and his wife, Mary M. Tardy, and from William H. Merchant and his wife, Belle Ashby Merchant.

Mary Washington College Scholarships

On the basis of financial need and academic achievement, the College offers a limited number of scholarships from \$100 to \$300 for the nine-month session. Applicants must be legal residents of Virginia.

O. P. Wright Memorial Scholarship Fund

Established in 1964 by a bequest from the estate of O. Pendleton Wright, architect of several buildings at Mary Washington, this award is made to deserving students with genuine financial need.

Loans

The National Defense Student Loan Program

The purpose of the National Defense Student Loan Program is to make it possible for students in need of financial assistance to obtain a college education. To be eligible, a borrower must carry at least half of the normal class load, need the amount of the loan, and be capable of maintaining good academic and social standing. These loans are available to all students who are citizens of the United States.

The maximum that may be borrowed for any twelve-month period is \$1,000, provided sufficient funds are available. The amount granted is determined by the Committee on Financial Aid upon review of the Parents' Confidential Statement.

The borrower will sign a note for the loan, and repayment begins nine months after the recipient graduates or leaves school. Ten years are allowed to complete payment. No interest on the



loan will accrue prior to the beginning of the repayment period, and interest thereafter is paid at the rate of three percent per year. In the event of the borrower's death or permanent and total disability, obligation to repay the loan is canceled.

The National Defense Education Act further provides that a maximum of fifty percent of the loan (plus interest) may be canceled should the borrower become a full-time teacher in a public or non-profit elementary or secondary school. Such cancellation is at the rate of ten percent per annum (plus interest) for each year of full-time teaching service.

Cancellation at the rate of 15 percent of the loan plus interest (up to 100 percent of the total loan) is granted for each year of full-time teaching in a designated low-income school or as a teacher of handicapped children in a public or other non-profit school.

State Scholarships for Teachers

These \$350 scholarships are in the nature of loans which are canceled at a fixed rate for each year that the recipient teaches in the Virginia public schools after graduation. Applicants must be residents of Virginia and meet the qualifications established by the State Board of Education. Information and applications may be obtained from the Director of Financial Aid.

Student Employment

The College offers many opportunities for part-time employment for qualified students with a "C" average or better. Most positions, which include those in the library, residence halls, dining hall and faculty offices, pay from approximately \$400 to \$600 for the nine-month session. Please address inquiries to the Office of Student Employment.

College Work-Study Program

This employment program, supported jointly by the federal government and the College, is available to qualified full-time students in need of the earnings in order to pursue an education at Mary Washington. A maximum of fifteen hours per week may be worked under the regular term on-campus program. Opportunities are also available for full-time off-campus summer employment. Please address inquiries to the Office of Student Employment.



*Student
Life*





The Student and the College

Mary Washington, like most colleges, has its own way of life. It is important, therefore, that prospective students and their parents become familiar with its purposes and objectives before submitting applications for admission.

Mary Washington College is committed to the ideals of individual responsibility and the pursuit of excellence, and it is felt that these ideals are best achieved when conditions of democratic tradition and a high standard of personal honor exist. For this reason, the Student Association and the Honor System play vital roles in student life at Mary Washington College.

In this context students are encouraged to make decisions for themselves concerning the day-to-day conduct of their life at the College. The students are expected to live under regulations prescribed by the Student Association and are bound to maintain a high standard of personal and academic conduct by the self-imposed—and self-regulated—Honor System.

The College strives to create and maintain an atmosphere of friendliness and helpfulness on the part of students and faculty. It is expected that students will at all times uphold the standards, traditions, and regulations of the College and that parents will cooperate in these matters. Students are likewise held responsible for the conduct of their guests on campus.

Insofar as possible, the College shares with parents or guardians the responsibility of helping the student to uphold the standards and abide by the regulations of the institution. The fact that a student is of legal age or is paying his own expenses in no way alters this relationship.

The College administration reserves the right to request any student to withdraw whose conduct or general attitude is considered unsatisfactory, even though no specific charge is made.



Student Association

The Student Association is composed of the entire student body. Its purpose is to promote personal responsibility, loyalty, and a high sense of honor in the individual student, and to further the best interests of the student body and the College by inculcating the underlying principles of self-government and democracy.

The Association has executive, legislative, and judicial branches, each with clearly defined duties and responsibilities, and each an integral and vital part of the governmental process. The constitution of the Association is designed to involve the greatest number of students possible in the governmental process, making it more essential to the conduct of student affairs.

As prescribed by the constitution, legislative powers are delegated to a representative student senate. The position of the SA Executive Chairman is defined by the document as the chief executive of the Student Association and as the primary link between the students and the administration of the College. Designated to assist the Executive Chairman in fulfilling the executive responsibilities is an Executive Cabinet consisting of the Legislative Chairman, Judicial Chairman, Academic Chairman, Social Chairman, and National Affairs Chairman, plus three ex-officio student members.

Judicial responsibilities on the campus are shared by the individual residence halls and a joint council, consisting of students and faculty members. In addition, there is a campus review court authorized to hear appeals on judicial matters. Other residential matters and the coordination of residence hall activities are dealt with by a campus residential council.

A Student Handbook containing the constitution, a detailed outline of the Student Association organization and responsibilities, and student and administrative regulations is given to each student at the beginning of each college year. The new student is further acquainted with these rules and with the Honor System in orientation groups sponsored by the Student Association and the Honor Council in the first week of the session.

In addition to the responsibilities specifically designated by the SA constitution, students are afforded an opportunity to play an active role in the decision-making process at the College by serving on various campus-wide committees dealing with academic, social, cultural and community affairs.

The Honor System

The Honor System is a moral code of personal integrity at Mary Washington College. It belongs to the students, who derive their authority and responsibility from the Board of Visitors of the University of Virginia. Because students are responsible for deciding when a breach of honor has been committed, the enforcement of the Honor System is in their hands.

Each student as a member of the student body at Mary Washington has the responsibility, not only for familiarizing himself with the provisions of the Honor Code upon which the student body has agreed, but also for developing the highest and strongest personal honor code possible. Each student must realize that by accepting admission to Mary Washington, he has acknowledged a commitment to the provisions of the Honor Code. When he signs the Honor Pledge Card, he is committing himself to support the Honor System. He is stating that he understands it, and realizes that a plea of ignorance is never acceptable.

The Honor System provides that a student shall act honorably in all relationships of campus life. Lying, cheating, stealing, or breaking one's word of honor are considered infringements of the Honor System. Whenever a violation of the Honor System is proved, the penalty, usually dismissal from the College, will be determined by the Honor Council. The pledge on quizzes, examinations, written problems, and exercises means that the work which the student hands in to a professor is his own, which he has done in accordance with the requirements for the course as laid down by the professor. The pledge is as follows: "I hereby declare upon my word of honor that I have neither given nor received help on this work." The faculty cooperates in establishing a clear understanding of these requirements. In any case of doubt as to the nature or extent of a pledge, the student should immediately request that the professor in charge make the requirement perfectly clear to the entire class.

Every student entering the College for the first time is given a copy of the complete Code of the Honor System and is expected to become familiar with its provisions. Orientation counselors work to interpret the Honor System to every new student before he is asked to sign a pledge stating that he understands what is expected and realizes that a plea of ignorance will not be accepted by the Honor Council. **Registration as a student in the College is not considered to have been completed until this card has been signed.** No grades or credits will be released unless the signed Honor Pledge Card is on file.

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The Honor Council is only a judicial body designed for trial purposes of specific cases brought to it by a student regarding possible violation of the Honor Code. It has no responsibility for discovering guilt before an accusation has been made. The Honor Council shall consist of a President and eight class representatives. The President shall be elected by the student body by secret ballot on the basis of a simple majority of the votes cast. The eight Honor Council Representatives, two elected respectively from each of the four classes by a simple majority of the votes cast, will comprise the voting members of the Honor Council. The Honor Council President is not a voting member and during a trial, shall serve only in the capacity of chairman.

The Honor Pledge Card that each student must sign to complete matriculation at the College reads as follows:

"I, as a student and a citizen of Mary Washington College, do hereby resolve to uphold the honor of the College by refraining from giving or receiving academic material in a manner not authorized by the instructor; from the illegal appropriation of the property of others; and from the deliberate falsification of facts. I shall do all in my power at all times to create a spirit of honesty and honor for its own sake, both by upholding the Honor System myself and by helping others to do so.

"I understand the Honor System and realize that a plea of ignorance will not be accepted by the Honor Council."



Residential Life

The majority of Mary Washington College students are required to live in college housing. Two exceptions are permitted: (1) all students who are in good standing academically, financially, residentially and socially, and are not the recipients of financial assistance (excluding student aid and state teachers scholarships) may with the consent of their parents reside off campus; and (2) students may live in their homes or with an immediate relative.

Applications for off-campus housing must be submitted to the Director of Admissions not later than August 1 before the opening of the School year in September. Permission is granted then for the entire academic year. Student requests normally will not be approved for off-campus housing the second semester except for applications submitted by August 1. Off-campus arrangements with immediate relatives must be approved by the Director of Admissions. All students living off campus will be regarded officially as day students.

Regulations concerning the residence halls are contained in the Student Handbook. Students may occupy their rooms on the dates specified by the College calendar. Accommodations are provided for the students who wish to remain on campus during the Thanksgiving and Spring vacations, but no residence hall or dining room facilities are available during the Christmas holidays.

Room assignments for incoming students are made by the Office of the Dean of Students. Students presently enrolled in the College are allowed to make their room reservations for the next session on a designated day in the spring. A student must have completed the readmission procedure before a room can be reserved.

Social Life

An active social program is planned at Mary Washington College each year in an effort to provide events and activities to be desired and enjoyed by as many students as possible.

The social calendar for the year includes receptions, dances, teas and mixers; programs by the departments, such as music, dramatics, and physical education; lectures by visiting lecturers; concerts by guest artists; and regularly scheduled moving pictures, both foreign and American.

Drama Series

The Department of Dramatic Arts and Speech annually presents at least three major productions and a student-directed children's



STUDENT LIFE

play. In selecting the plays to be presented consideration is given to providing the students a varied and balanced drama season and to best utilizing the talents of the drama majors. During the 1969-70 school session there were performances of *The Cherry Orchard* by Anton Chekhov, *A Taste of Honey* by Shelagh Delaney, and *The Three Penny Opera* by Bertolt Brecht. In 1970-71 there were performances of Christopher Fry's *The Lady's Not For Burning*; a children's play, *The Christmas Nightingale*; William Wycherley's *The Country Wife*; and a contemporary play, *America Hurrah* by Jean Claude Van Italie.

Dances

In the course of the year there are at least three formal dances, two of them open to the entire student body; the third sponsored by the Junior Class. In addition to the formal dances, there are occasional informal dances and mixers throughout the year.

Concerts

A varied concert series is planned each year to include noted visiting artists. A number of major concerts are scheduled each year featuring programs by symphony orchestras, vocal and instrumental artists, and dramatic groups. During the 1970-71 school year, for example, performances were given at Mary Washington College by The Friends of Distinction; Pomponio and Zarate, duo-guitarists; and the Argentine Chamber Orchestra. There were also performances of the Oleata Basque Festival; First Night of Pygmalion; a dramatic sketch; and the opera "Don Giovanni" by the Goldovsky Grand Opera Theatre.

In addition to guest performers, there are presentations by faculty and student members of the Department of Music. Each year there is a Winter Band Concert and Christmas and Spring Choral Concerts, plus several student and general recitals.

Art Exhibitions

Each year the College holds a number of art exhibitions including at least one major exhibition and a student exhibition. These shows are held in the duPont Galleries located in the Fine Arts Center. The major exhibitions are usually of a magnitude to attract visitors from throughout the state and feature works of note in art circles. In recent years for example, the College has presented an exhibition of the works of Teruo Hara, a noted ceramist and a Visiting Artist at the College; and a rare public exhibition of U. S. Senator Hugh Scott's collection of Tang Dynasty art. During the 1970-71 school session there was an exhibition of fifteenth and sixteenth century prints from the Lessing J. Rosenwald Collection.





The student exhibition is usually held at the end of the year and provides an opportunity for student artists to display what they have done during the school term. It also gives the College a chance to recognize outstanding achievement in the studio arts with the presentation of awards.

Other Events

Two segments of the Department of Health, Physical Education and Recreation also present special programs each year. The Terrapin Club (a synchronized swimming club) presents an exhibition in the fall and a show in the spring. The Mary Washington Dance Company each year presents a dance concert.

In addition to these special events there are numerous inter-class and club parties and functions and other group activities in which a student may participate.

Religious Life

As a non-sectarian institution recognizing the religious freedom of the students, Mary Washington College makes no attempt to project into their lives the views of any one faith. The churches in Fredericksburg, representing most of the denominations, extend a cordial welcome to the students, who are encouraged to associate themselves with some church.

A number of the denominations have organizations on campus. In cooperation with the local churches these groups promote the welfare of their members through frequent meetings for discussion, devotions, or social activities.

The various religious organizations include: the Baptist Student Union, the Episcopal Students, Student Religious Liberals (associated with the Unitarian Fellowship), the Lutheran Student Association, the Newman Movement, the Christian Science Organization, Hillel, and the Campus Christian Center, sponsored by the Methodist and Presbyterian Churches.

There are two full-time church counselors provided, one by the Baptist Church, the other by the Methodist and Presbyterian

Churches, who direct centers adjacent to the campus. The College is not responsible for their programs but cooperates with the counselors through the Office of the Dean of Students.

There is also a chapter of the Young Women's Christian Association (YWCA) on the campus. The YWCA sponsors campus-wide religious concerns programs periodically and directs the annual World University Service (WUS) drive.

Health Program

Mary Washington College is interested in the prevention of illness and the promotion of a high standard of health in its student body.

The College is concerned with conditions affecting student health in order that all cases of illness may be given proper care; that the incidence and spread of contagious diseases may be reduced to the lowest terms; and that the general working efficiency and living standards of the students may be maintained at a high level.

Every student is required each year to present a certificate from a physician indicating the results of a recent physical examination. This examination should be made not more than two months prior to the beginning of the session. Under no circumstances will a student be assigned to a room or allowed to register for classes until this completed medical form is on file.

If this examination reveals information pertinent to the health and welfare of the student, such information should be included with the certificate. It is strongly recommended that all students receive the tetanus toxoid during the summer before entrance.

The medical fee for students living in the residence halls covers the charges for services of the medical and nursing staff of the College and for time spent in the College Infirmary as a patient.

Every student is required to participate in some form of physical education which is in keeping with the condition and particular physical needs of the individual. Special guidance is provided for those with physical handicaps.

A complete program of intramural activities is provided, some of which are hockey, basketball, tennis, swimming, golf, lacrosse, fencing, dancing, archery, riding, and volleyball.

Specialists, Private Nursing, Etc.

The College does not assume responsibility for the cost of services of specialists or private nurses, or for special prescriptions, operations, or fees in the local hospital.

A daily report is made by the Infirmary to the Dean of Students. In cases of severe illness or accident, the parents or guardians are informed promptly.

Mary Washington Hospital in the City of Fredericksburg provides all modern facilities, including the services of specialists in all branches of medical science. A student is often referred to the hospital for diagnostic purposes and when the illness is too serious to be treated at the College Infirmary.

Health Regulations

1. Students living in their own homes are not entitled to the services of the infirmary or College medical nursing staff.
2. It is necessary to obtain an excuse through the College infirmary for any absence from class on account of illness.
3. The College calendar should be referred to in making out-of-town medical and dental appointments so that such engagements will not involve leaving early or returning late at holidays.
4. A student ill enough to be in bed should not remain in a residence hall, but should be in the infirmary where proper care can be received. No meals are served in the residence hall rooms.
5. Students detained at home because of illness should notify the College infirmary immediately upon their return to the campus.
6. Students who have been exposed to any infectious disease must report to the College Physician before attending classes or mingling with other students.
7. A consulting physician may be called at the request of either the student or his parents or guardian; this is to be done through the College Physician or the Nurse.
8. Responsibility for physical examination information for transfer to other colleges and for summer employment will rest with the examining physician and will not be the responsibility of the Infirmary to forward a copy of the records for the above purposes.

Special Services and Opportunities

There are a number of special services and opportunities available at Mary Washington College aimed at complementing the formal education a student receives and offering assistance to the student who desires it. These services are available to every student on a voluntary basis.

STUDENT LIFE



Counseling and Guidance

The College attempts to provide adequate guidance and counseling without taking from the student the responsibility for making decisions. A Faculty Committee on Academic Counseling and Guidance helps to establish policies in this area.

Academic Counseling and Guidance

Advising of freshmen and sophomores is provided by the Office of the Assistant Dean for Academic Counseling and Guidance. Faculty members who serve as staff of the office help students to plan a program of studies and are available for regular consultation throughout the year. Advising of upperclass students is provided by the chairman of the major department or someone designated by him at the time permission to major is received.

Students are also invited to seek advice from the various deans and members of the faculty. Although no sharp distinction is made, students usually confer with those in the Office of the Dean of Students on matters concerning personal and social life and with those in the Office of the Assistant Dean for Academic Counseling for academic matters.



Counseling Center

For special problems the College offers to its students psychological services on a full-time basis. Testing is available for the assessment of aptitude, interest, and personality patterns as they relate to academic and career-oriented questions and plans. The Counseling Center also receives students (for the most part self-referred) who present problems in personal, emotional, and social adjustment. The facilities of the Counseling Center are provided by the College on a non-fee basis and with complete assurance of confidentiality.

Placement Bureau

The Placement Bureau offers an advisory and placement service to graduates and prospective graduates seeking employment. A folder of detailed information is compiled for each graduate, and an effort is made to give as complete a picture as possible of the candidate's qualifications.

Business executives, personnel directors, school superintendents, and others interested in employing graduates are invited to visit the College, consult the credentials compiled by the Bureau, and interview applicants. Confidential reports giving a full and accurate estimate of each applicant will be furnished on request of a prospective employer.

College Theatre

The College Theatre is an integral part of the Department of Dramatic Arts and Speech and affords students the opportunity to appear before the public in major productions of plays by the world's great authors and to gain practical experience in the various phases of theatrical production.

The Department of Dramatic Arts and Speech requires that all students engaged in the activities of the department and its organizations maintain at least a "C" average. Any student not maintaining this average during the current semester or preceding semester will not be allowed to participate in the activities.

STUDENT LIFE





STUDENT LIFE

Language Houses and Laboratories

Brent Hall and Marye Hall are language houses for students of French and Spanish respectively. In addition, one or more suites in appropriate residence halls may be reserved for German majors. With the guidance of staff members from the Department of Modern Foreign Languages, students engage in a systematic development of fluency in the oral use of the language. Seminar-type meetings, visiting speakers, and the social and cultural activities of the language clubs, which are centered in these houses, give additional opportunities for acquiring facility in speaking. Major students must be given first consideration, but there is generally room for other students who have the necessary language proficiency, which is usually attained after completion of an intermediate course.

The Department of Modern Foreign Languages operates two thirty-booth listen-record-listen laboratories, which are open for class sections under the regular instructor. Under the direction of a specially trained staff member, with student assistants, the laboratories are open several hours a day as a library facility for individual use. Members of beginning and intermediate classes are expected to spend considerable time in the laboratory on their oral assignments, dictation exercises, and pronunciation. Students on more advanced levels also use the laboratories.

Field Trips and Tours

In addition to the regular program of instruction, the College sponsors visits to the local shrines and other places of interest, including those in the immediate vicinity of Fredericksburg, in Washington, D. C., Richmond, and other places easily accessible. The air-conditioned college bus offers transportation to concerts and plays, and to historic sites such as Stratford and Williamsburg.

The chairmen of various academic departments have charge of the trips or tours used to supplement class instruction. These, also made in the college bus, reinforce the work done in class. Students are able to attend conventions, visit other educational institutions, and take advantage of the cultural facilities in nearby cities.

Art students visit the galleries in Washington and Richmond, music students attend musical events, students in dramatics attend plays, and students in economics and political science are able to visit government or legislative sessions in these two capital cities. Students in psychology and sociology go to such institutions as St. Elizabeth's Hospital in Washington and the Western State Hospital in Staunton. Trips of a general cultural nature are often open to any interested undergraduates.

Clubs and Organizations

There are a number of honorary fraternities, scholastic and professional societies, departmental clubs, and other student organizations. Although course work is of primary interest to the student at Mary Washington, many find time and energy to devote to these other activities. All organizations are under the supervision of the student Inter-Club Association in cooperation with the Office of the Dean of Students and the Student Association. There are no social sororities at the College.

Honorary Organizations

There are honorary fraternities or scholastic societies for almost every discipline pursued at Mary Washington College. In addition to these special interest honor groups there is a chapter of Phi Beta Kappa, the nation's oldest and most prestigious honorary organization, and Mortar Board, the national honorary organization for senior women.

The national honorary groups with chapters at Mary Washington College include: Alpha Phi Sigma (scholastic), Alpha Psi Omega (dramatic), Chi Beta Psi (science), Eta Sigma Phi (classics), Mu Phi Epsilon (music), Omicron Delta Epsilon (economics), Phi Sigma Iota (Romance Languages), Pi Gamma Mu (social sciences), Phi Chi (psychology), and Zeta Phi Eta (professional speech arts). Sigma Omega Chi (sociology) and Sigma Tau Chi (economics) are local honorary organizations, and there is an English Honorary Fraternity.



Departmental and Other Clubs

A number of departmental or general clubs and organizations offer activities in which students with special interests may participate. These include: Der Deutsche Verein, El Club Espanol, the Italian Club, Le Cercle Francais, the College Chorus and Concert Band, the Mary Washington Players, Pi Nu Chi (nursing), Mu Alpha Chi (medical technology and pre-medical), the Organ Guild, the Student Education Association, the Day Students' Club, International Relations Club, Mike Club, Oriental Club, Physical Therapy Club, Psychology Club, Sociology Club, Science (Matthew Fontaine Maury) Club, and the Young Democrats and Young Republicans.

Recreational Association

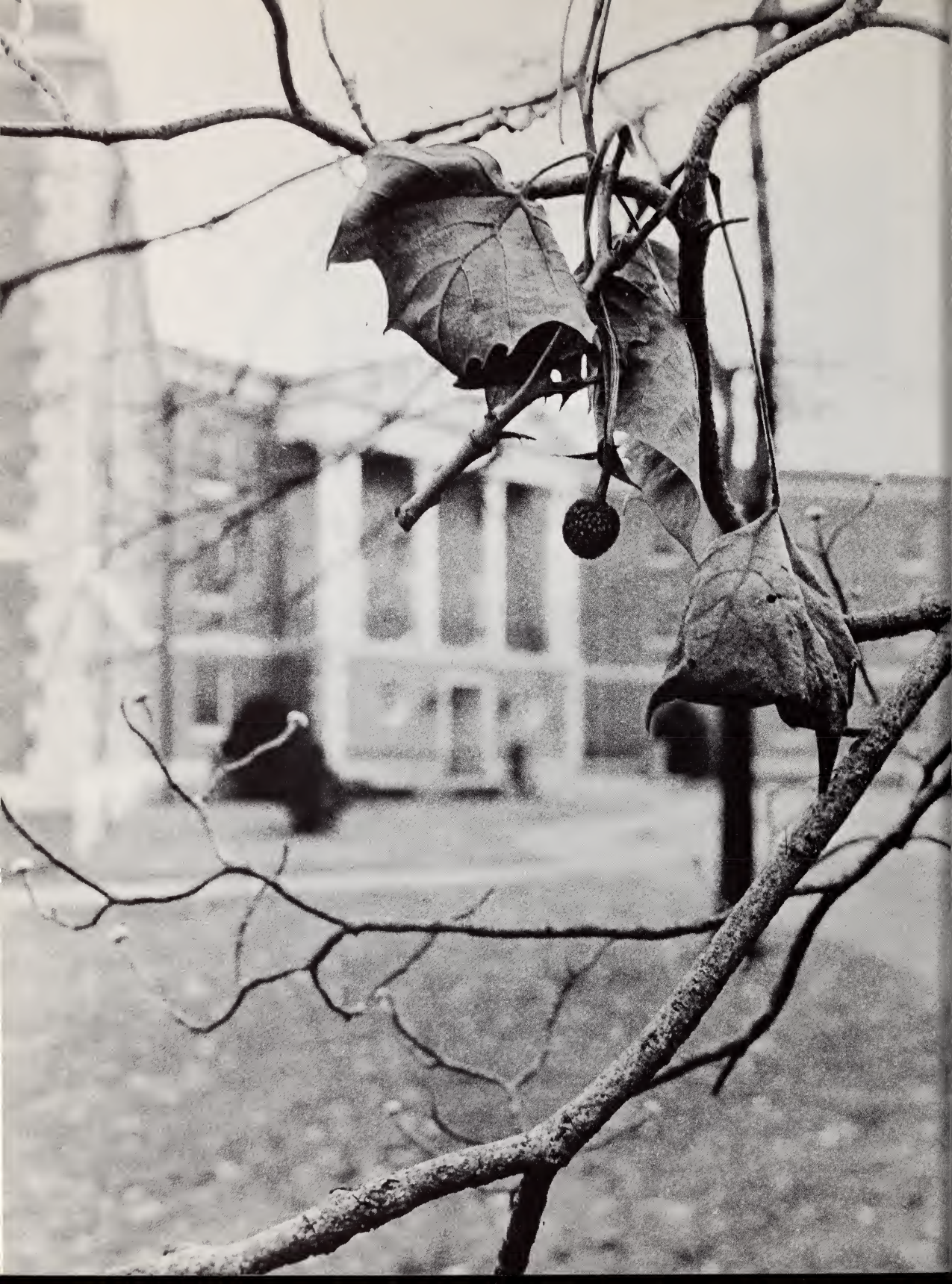
In addition to the organized activities listed above, there are several campus-wide events each year that are planned by the Recreation Association to promote wholesome activity and recreation. The Association also sponsors five additional clubs: the Hoof Prints, Fencing, Physical Education, Outing, and Terrapin Clubs.

Student Publications

There are four student publications on the campus: *The Bullet*, the College newspaper published weekly; *Aubade*, a literary magazine published quarterly; *The Battlefield*, the College yearbook, and *Polemics*, a contemporary affairs quarterly. The Student Handbook is issued by the Student Association in cooperation with the Office of the Dean of Students.

*Academic
Information*





Introduction

The student is responsible for familiarizing himself with the academic rules and regulations of Mary Washington College. This responsibility includes completing, in their proper sequence, all courses required by a specific degree program. In addition, the student should know the consequences of failure to remain in good standing; if he is uncertain about his status or his academic responsibilities, he should consult a faculty adviser or the Dean of the College.

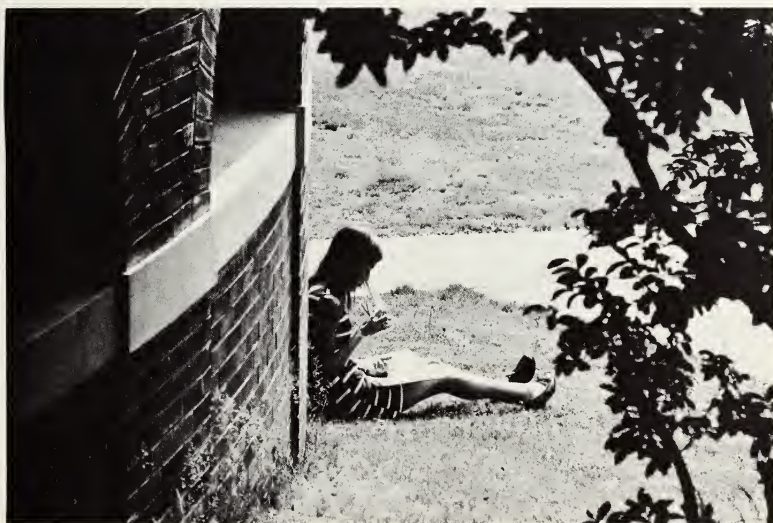
Organization

Semester Plan

The College is organized on the semester plan, and students may enter at the beginning of either semester. (See College Calendar.) Beginning sections of certain basic courses are offered in the second semester. Students who enter the second semester in January are given special orientation to help them adjust readily to the College.

Summer Session

The Summer Session is an integral part of the school year. Classes are offered Monday through Friday.



ACADEMIC INFORMATION



Although the majority of students spend four years in college, the work for a degree at Mary Washington College can be completed in three calendar years by attendance at three general sessions and three summer sessions. It is possible to complete a semester's work in each of three courses by attending the eight-week summer term. A vacation period of three to four weeks comes between the close of the summer session and the beginning of the fall semester.

September may begin with the summer session in June and complete a substantial portion of the first semester's work before the fall term.

Academic Regulations

Classification of Students

Freshmen.—Students with fewer than 28 semester hours of credit.

Sophomores.—Students with from 28 to 57 semester hours of credit.

Juniors.—Students with from 58 to 89 semester hours of credit.

Seniors.—Students with as many as 90 semester hours of credit.

Specials.—Students enrolled at the college who are not considered degree candidates.

Student Load

A student's class schedule should be planned carefully each semester in consultation with a faculty adviser, taking care both to ensure normal progress toward graduation and to avoid too heavy an academic load. The faculty adviser must approve the student's schedule before he completes his registration.

In the first year of college, a student should register for not less than fourteen or more than seventeen credit hours a semester. After the first year a student should ordinarily carry from fifteen to eighteen credit hours a semester.

No student living in a College residence hall during the regular session may carry less than twelve semester hours without permission from the Dean of Students.

Excess Hours

Only in exceptional circumstances will a student be allowed to carry excess hours (more than seventeen hours the first year, more than eighteen hours after the first year). Permission to carry excess hours must be obtained from the Dean of the College.

Change of Schedule or Courses

A student's schedule of classes must be approved each semester by a faculty adviser. After registration a schedule may not be changed without permission from the adviser.

During the first two weeks of classes the student will present written permission from an adviser to drop or add a course in the Office of the Registrar. Changes to or from Pass/Fail will be signed by the Dean or Assistant Dean and handled by that office. Only during the first two weeks of classes may courses be added or changes made to or from Pass/Fail.

A student may drop a course during the third and fourth weeks of classes in the Office of the Dean with permission from both an adviser and the Dean. If a course is dropped after the fourth weeks of classes a grade of "F" will be recorded unless the instructor certifies that the student was passing at the time of withdrawal. An automatic grade of "F" will be given to any student who drops a course during the final three weeks of classes, or who drops out of a course without permission.

No credit is allowed for a course in which the student is not officially registered and which is not listed on the class schedule filed with the Registrar.

Class Attendance

In the educational philosophy of the College, the work of the classroom is an essential part of educational development. Therefore, the College encourages and expects regular class attendance, though it does not impose any set rules. An instructor may require a student whose absences are excessive to withdraw from his course. No less than twenty-five percent of the total number of class meetings may be considered excessive. The instructor must announce in the first week of the semester whether he will enforce the excessive cut rule. Each student is responsible and accountable for all tests and all material covered in courses whether he was present in class or not.

Absences from class immediately preceding or following a holiday are especially discouraged. Students should consult the college calendar in making plane and train reservations. Students are not permitted to shift classes or examinations to expedite leaving the College for the weekend, holidays, or any other purpose.

Medical excuses for both residential and day students must be submitted to the College Infirmary, which will make a report to the Registrar's Office for transmission to each instructor.

Students whose class attendance is unnecessarily irregular may be requested to withdraw from the College.





Grading

A student's class performance determines the final grade in any course. Class performance is based on the quality of a student's work as indicated by recitation grades, written tests, examinations, laboratory work or term papers.

Scholarship standing is indicated as follows:

"A" is given for work of unusual excellence.

"B" is given for work distinctly above average.

"C" denotes work of average or medium quality.

"D" is the lowest passing mark and represents work of below average quality.

"E" denotes unsatisfactory work in which a condition has been incurred. When the condition is removed, a grade of "D" is recorded. Conditions not made up by the end of the following semester automatically become "F."

"Inc." Incomplete. Incomplete work not made up by the end of the following semester automatically becomes "F."

"F" denotes failure and requires that the subject be taken again and passed before credit can be allowed.

"P" Pass. This indicates that the course requirement has been successfully met.

"S" Satisfactory. This indicates that the course requirement has been successfully met.

"U" Unsatisfactory. This means that the requirement has not been successfully met and an additional course must be taken before credit can be allowed.

Credits earned with a grade of "P" or "S" count towards graduation but carry no quality points.

Pass/Fail—With approval of an adviser, a student may take one such course each semester for elective credit only. The student must register as a Pass/Fail student by the end of the initial two-week drop-add period. After that time no change in status is permitted. Because Pass/Fail credits carry no quality points, they neither raise nor lower a student's grade point average. The credits earned count toward graduation, however, and a "P" or "F" is recorded on the student's transcript.

ACADEMIC INFORMATION

Credit by Examination

A student may make written application to a department chairman for examination in an appropriate course (not an independent study or seminar course), for which he has neither been enrolled nor in attendance. If the chairman approves, he may take the examination. If he passes, he will receive the allotted number of credits with a grade of "P" which will neither raise nor lower his grade point average. If he fails the examination, he will receive a grade of "Incomplete" which will become an "F" unless he attends and passes the course or another equivalent examination, by the end of the semester immediately following. A student may register for the course either for regular credit or on a Pass/Fail basis.

The credit hours will be regarded as part of the student's academic load and if he is a part-time student, he will pay the regular charges per credit hour.

Scholarship Quality Points

A candidate for a degree must have earned at least twice as many quality points as semester hours attempted at Mary Washington College before being permitted to graduate. This means that the student has earned the minimum 2.0 or "C" overall grade point average required for graduation. Courses taken in the major subject in fulfillment of the major program requirements must also average at least 2.0 or "C".

The following Quality Point system enables students to keep constant check on their standing, and to know at all times whether they are maintaining the overall "C" average required by the College.

For each semester hour earned with a grade of "A" four quality points are allowed.

For each semester hour earned with a grade of "B" three quality points are allowed.

For each semester hour earned with a grade of "C" two quality points are allowed.

For each semester hour earned with a grade of "D" one quality point is allowed.

For each semester hour earned with a grade of "P" no quality point is allowed or required.

For each semester hour earned with a grade of "S" no quality point is allowed or required.

In each case the number of semester hours credit in each course is multiplied by the number of quality points assigned to the grade earned in that course. For example, "A" in a course for which three semester hours credit is allowed entitles the student to twelve quality points. In this same course a grade of "B" would entitle the student to nine quality points, "C" to six quality points, and "D" to three quality points. No quality points are earned for grades of "F," "P," "S," or "Incomplete."

A permanent record of quality points earned as well as semester hours attempted and earned is kept in the Registrar's Office. This information is available to students and parents at all times.

Reports, Deficiencies and Failures

Regular reports are mailed to students and parents at the end of each semester. In addition to the semester grades, notice is given of cumulative totals in the number of hours attempted, hours passed, and quality points earned.

Students and parents are also notified of unsatisfactory or deficient work in the middle of each semester.

Students with academic deficiencies are urged to make every effort to remove them before the end of the semester, since in order to graduate, they must maintain at least a 2.0 or "C" average in all credit hours attempted, as well as in courses taken in the major subject to satisfy the major program requirements.

The Dean of the College and the Assistant Dean are ready at all times to confer with students or parents regarding academic problems.

Repeating A Course

Courses may be repeated only with prior written permission from the academic Dean.

If a student in attendance repeats and passes a course he has previously failed at the College, his record will be credited with the hours passed and the quality points earned. He will not be charged with additional hours attempted.

If a student repeats for quality points a course already passed, he will not be charged with additional hours attempted or passed. The quality points earned on the second grade for the course will be *substituted* for the quality points originally earned in the course.

Academic Probation and Suspension

Probation

In general, a student is placed on academic probation if he is not making satisfactory progress toward graduation.

1. In terms of credit hours a student will be placed on academic probation if

- a. in any semester, including the first, he fails more than four semester hours work;
- b. in any semester he receives grades of D, E, or F on more than 7 semester hours of work, regardless of the total number of hours or quality points;
- c. at the end of the freshman year he has fewer than 28 semester hours;
- d. at the end of the third semester he has fewer than 43 semester hours;
- e. at the end of the sophomore year he has fewer than 58 semester hours;
- f. at the end of the fifth semester he has fewer than 73 semester hours;
- g. at the end of the junior year he has fewer than 90 semester hours.

2. In terms of quality points a student will be placed on probation if

- a. at any time during the first five semesters he falls more than 11 quality points below twice the number of hours attempted;
- b. at the end of the sixth or seventh semester he does not have twice as many quality points as hours attempted.

Suspension

A student will be suspended if

1. at any time after the end of the first semester he falls more than 6 credit hours below the minimum standards set forth in section 1 under Probation;
2. he falls more than 19 quality points below twice the number of hours attempted;
3. at the end of the sixth or seventh semester he falls more than 9 quality points below twice the number of hours attempted;
4. he incurs probation for a third time. (For reinstatement after suspension, see the Catalogue, p. 25.)





As previously noted, a student may be placed on probation or suspended for either a semester hour or quality point deficiency. Under usual circumstances a student will not be granted probationary status for more than two semesters. A student who is suspended for the first time may be readmitted on probation by earning in the summer school of this College at least eight semester hours and sixteen quality points. A student seeking such reinstatement must do so ordinarily in the summer session immediately following the academic suspension.

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ACADEMIC INFORMATION

Withdrawal

Voluntary Withdrawal

A student wishing to withdraw from the College must have **advance** consent of a parent or guardian if he is a minor and must inform the Dean of Students in any case.

Enforced Withdrawal

Students who continuously fail to meet the academic standards of the College may be asked to withdraw or not to return to Mary Washington.

Withdrawal While on Probation

A student who withdraws from the College while on academic probation for academic deficiency normally is not eligible for readmission. Upon request by the student, special consideration for readmission may be granted by the Committee on Admissions.

Marriage

A student entering into marriage prior to college enrollment or during attendance at college (including summer and other vacation periods) is ineligible to remain in residence except with special permission. Any change in status must be discussed in advance with the Dean of Students. Each case is considered on its individual merits.



ACADEMIC INFORMATION

Recognition of Academic Achievement

The Dean's List

A student carrying at least 12 hours of work on which quality points may be computed and who attains a grade-point average of 3.50 or better for any semester is placed on the Dean's List of Honor Students. Only quality points earned in courses taken for the first time may be counted for academic honors.

Intermediate Honors

A junior at Mary Washington College who has achieved a 3.75 grade-point average in the freshman and sophomore years is awarded Intermediate Honors at the Chancellor's Convocation held during the first week of the session. To be eligible for Intermediate Honors, a student must have completed at least 58 credit hours, of which at least 44 must be work on which quality points may be computed.

Final Honors

A student who attains a 3.75 grade-point average in the junior and senior years is awarded Final Honors at the graduating exercises held at the end of the session. To be eligible for Final Honors, a student must have completed at least 58 credit hours during the last four semesters. At least 44 hours must be work on which quality points may be computed.

Academic Distinction

General academic attainment of graduating seniors will be recognized through the awards of Distinction, High Distinction and Highest Distinction, based solely on the student's academic average at Mary Washington College. The level of attainment for each award shall be as follows: Distinction: 3.25; High Distinction: 3.50; Highest Distinction: 3.75. A student may receive both departmental honors and one of the Distinction awards.

To be graduated with Distinction, High Distinction or Highest Distinction, a student must have earned at least 94 hours on which quality points may be computed.

Awards

Colgate W. Darden, Jr., Award

This award was established in 1960 in honor of Colgate W. Darden, Jr., who was president of the University of Virginia from 1947 to 1959. It consists of a medal, designed by Gaetano Cecere, formerly of the Art Department, and also a cash sum. It is presented to the senior having the highest academic average.

To be eligible for the Darden Award a student must have earned at least 94 hours on which quality points may be computed.

This award was made in June, 1970, to Carol Anne Peterson of Colonial Heights, Virginia.

The Thomas Jefferson Cup

The Thomas Jefferson Cup is presented annually by the Alumnae Association at the Senior Convocation to that member of the graduating class who, during his years at Mary Washington College, has distinguished himself by academic achievement and outstanding service to the College. The award was established in 1944 to commemorate the consolidation of Mary Washington College with the University of Virginia.

This award was made in April, 1970, to Marilyn L. Preble of Leesburg, Virginia.

Kiwanis Award

Through the interest and generosity of the Fredericksburg Kiwanis Club, a silver bowl is awarded each year to the senior who, in the judgment of the faculty, has contributed most to the promotion of the interest of the College while in attendance here.

This award was made in April, 1970, to Candace Dawn Whitmer of Bethlehem, Pennsylvania.

Alpha Phi Sigma Award

The Alpha Phi Sigma honorary scholarship fraternity makes an annual award to the junior who made the highest academic average during the freshman and sophomore years. The presentation is made at the Chancellor's Convocation at the opening of the session.

This award was presented on September 18, 1970, to Ann Mitchell Bowling of Accomac, Virginia; Martha Lee Browning of Broad Run, Virginia; and Helga Martha Kosmahly of Mineral, Virginia.

Requirements For Graduation

1. A candidate for a degree must complete a recognized major and earn 120 semester hours (in addition to two credits in physical education) and a minimum of 240 quality points. That is, the number of quality points must be at least twice the number of semester hours attempted to earn the minimum 2.0 overall grade point average required for graduation. Only credits earned at Mary Washington College are used in computing a student's grade point average. Credit for courses taken elsewhere may be counted toward graduation but neither raises nor lowers academic standing at the College.

2. The number of quality points earned in courses taken to satisfy the requirements of the major program must also equal the required minimum overall 2.0 grade point average.

3. A student failing to have the necessary number of scholarship quality points by the time degree requirements are completed may take additional courses to make up the required number of quality points. All such courses, however, must first be approved by the Dean.

4. A transfer student must also earn at least twice as many quality points as credit hours attempted in all work completed at Mary Washington.

5. Responsibility for meeting the College and major department requirements for a degree rests with the student.

6. An application for a degree must be filed in the Registrar's Office by the end of the second semester of the junior year.

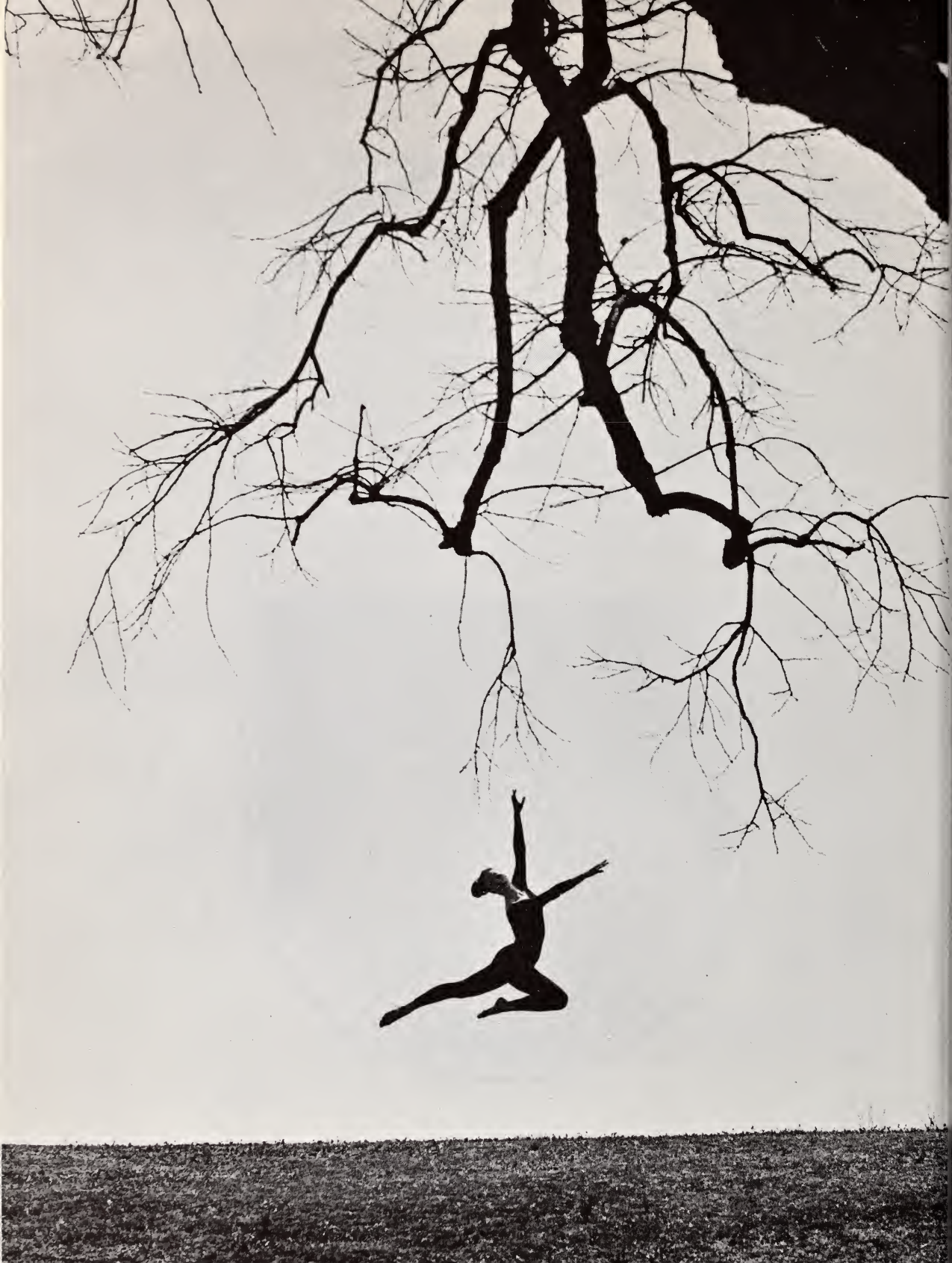
7. A total of at least 60 semester hours of credit from Mary Washington is required for a degree, and, except in the case of cooperative programs, the last semester of a student's work must also be done in residence at the College. At least eighteen semester hours in the major subject must be completed here.

8. Correspondence courses are not accepted for transfer credit. Extension classes may be taken for credit only by permission of the Dean and the chairman of the department concerned. Under no circumstances may more than thirty hours of extension credit be counted toward a degree.

9. Each student must take one year of physical education. Up to three additional years of physical education will be credited to the degree, on the basis of one course and one credit per semester.

*Program
of
Studies*





Degrees Offered

The College currently offers the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Medical Technology, and Bachelor of Science in Physical Therapy. Effective with the Freshmen entering during the 1971-72 school year, the College will confer the degrees of Bachelor of Arts, Bachelor of Arts in Medical Technology, and Bachelor of Arts in Physical Therapy.

Requirements for the Degree of Bachelor of Arts

One hundred and twenty-two semester hours of credit are required for the Bachelor of Arts degree, distributed as follows:

- I. **Basic Requirements.** Two one-semester courses or one one-year course will be required in each of the following areas:
 - a. **Literature**, including English, Modern Foreign Languages, Classics
 - b. **Humanities**, including Art, Dance, Dramatic Arts and Speech, Music, Philosophy, Religion
 - c. **Social Science**, including Economics, History, Geography, Political Science, Psychology, Sociology
 - d. **Natural Science and Mathematics**, including Biology, Chemistry, Geology, Mathematics, PhysicsNo course fulfilling the basic requirements may be counted toward the major program or toward diversification.
- II. **Diversification.** At least one third of the program of courses required for graduation must be taken in a subject or subjects other than the major subject for a minimum of forty semester hours. The courses satisfying the basic requirements are not part of this one third.
- III. **Major Program.** Up to one third of the degree program may be required in the major program for a maximum of forty semester hours.
- IV. **Electives.** Additional courses must be taken to complete a total of 120 semester hours, exclusive of the required courses in physical education.
- V. **Physical Education.** Each student must take one year of physical education. Up to three additional years of physical education will be credited to the degree, on the basis of one course and one credit per semester.
- VI. **Demonstration of Competence.**
 - a. **English Composition.** Each student must demonstrate competence in English composition. Students failing to do so must attend a writing clinic (non-credit) until released.

- b. **Foreign Language.** Each student must demonstrate competence equivalent to the completion of the intermediate-level college course in foreign language. Students who do not have four units of a language in secondary school will be required to take the intermediate course unless excused by the department.

Alternate degree program allowing for greater concentration.

1. Up to one half of the total program may be taken in a major subject.
2. Up to three quarters of the total program may be taken in a single area. Areas are the same as defined under basic requirements in the previous outline.
3. At least one quarter of the total program required for graduation must be taken in an area other than that including the major subject.

Approval for this program may be requested at any time from admission to college through the junior year. Responsibility for approval lies with a committee on special degree programs, which will consult with the appropriate departments concerning the student's preparation if the basic requirements have not been completed at the time of application.

Special Major Program.

To assure maximum flexibility, a student may be permitted to pursue a special major program consisting of courses from two or more departments which define the field of concentration. Such a major must be implemented as follows:

1. Courses required for the major will be chosen by mutual agreement of the student and faculty adviser and must have the approval of a committee on special degree programs.
2. The major program must consist of at least eight courses.

Requirements for the Degree of Bachelor of Arts in Medical Technology

The requirements for this degree are also the same as those for the Bachelor of Arts degree, the specialized courses outlined in the curriculum on page 85 to 87 constituting the major program.

Requirements for the Degree of Bachelor of Arts in Physical Therapy

The requirements for this degree are also the same as those for the Bachelor of Arts degree, the cooperative program and suggested curriculum listed on page 87 to 89 constituting the major program.

Major Program

Up to one third of the degree program may be required in the major program for a maximum of forty semester hours.

A major program leading to a degree may be chosen from any one of the following fields:

American Studies	French	Philosophy
Art	Geography and	Physics
Asian Studies	Geology	Political Economy
Biology	German	Political Science
Chemistry	History	Pre-Foreign Service
Classical	Latin	Psychology
Civilization	Latin American	Religion
Dance	Studies	Russian Studies
Dramatic Arts and	Mathematics	Sociology
Speech	Music	Spanish
Economics		
English		

Detailed statements of the requirements for a major program in each of the above fields are given in the section of the catalogue entitled "Course Offerings" (pp 95 to 178). There are also certain interdepartmental major programs which draw their courses from closely related fields. For the specific schedules of subjects, see pages 78 to 83.

Near the end of the sophomore year, each student should apply to the departmental chairman or the interdepartmental program adviser concerned for permission to undertake a major. In granting this permission, the department will inform the student of the name of his major adviser, who will help him to meet department requirements by outlining a program of studies for the junior and senior years.

Elective Courses

In addition to courses in the major fields listed above, the student may elect to take courses in astronomy, in education, in foreign languages other than those offering a major. He may also apply for admission to the Liberal Arts Seminars.



PROGRAM OF STUDIES

Twelve semester hours in vocational subjects, such as home economics and education, is the maximum allowed for all students.

Teaching

Mary Washington does not confer professional degrees in Education. Students majoring in the various fields who wish to qualify for the Collegiate Professional Certificate may take the necessary courses as electives. (See pp 125 to 129 for sequence of courses leading to the Collegiate Professional Certificate.)

The teacher education program has been approved by the National Association of State Directors of Teacher Education and Certification. Reciprocity agreements between a significant number of states makes it possible for those who attain Virginia certification through the Mary Washington program to transfer their teaching certification to other states.

Preparation for Graduate Study

A student contemplating graduate work should ascertain the requirements for advanced study in his field and should become familiar with the catalogues of specific graduate schools. As early as possible he should discuss his plans with his adviser, so that he may be guided in his program of studies.

In addition, the student should prepare to meet the language requirements appropriate to his field of advanced study.

The Honors Program of the College and various other opportunities for individual study and research may help to qualify students for a graduate scholarship, fellowship, or assistantship. A collection of recent announcements of such awards is available.

The student who applies for admission to the graduate school of a university may be required to take either the Graduate Record Examination or the Miller Analogy Test before application is considered. Information concerning these examinations may be obtained from the Counseling Center.

Foreign Languages

Major programs are offered in French, German, Latin, and Spanish. Requirements for these major programs are listed with the course offerings, but students should consult members of the department before choosing courses in related fields.

Students who choose a major program in a foreign language are expected to participate actively in the work of the departmental club promoting the use of that language.

In addition to the major programs in Latin, French, Spanish and German, sequences of elective courses in Greek, Italian, Japanese, Portuguese and Russian are also offered. Any of these languages may be selected in meeting the foreign language requirements for a degree.

No credit is given for less than one full year of any foreign language.

Credit for a single year in a foreign language will be allowed only if it is offered in addition to the degree requirements in foreign language.

Sequence of courses and prerequisite requirements must be strictly followed if credit is expected.

Students who plan to continue the study of a language are urged to enroll in a course in that language in their first year at this college. Experience shows that interruption of continuous study may seriously affect progress in a language.

Junior Year Abroad

Mary Washington College participates in various junior year abroad programs. Students completing courses in programs approved by the Dean of the College and the chairman of the department of their major interest may receive appropriate transfer credit toward a degree at Mary Washington. Further information may be obtained from the Dean of the College.



Interdepartmental Majors

Interdepartmental majors are offered in seven fields: (1) American Studies; (2) Asian Studies; (3) Classical Civilization; (4) Latin American Studies; (5) Pre-Foreign Service; (6) the Pre-Medical Sciences; and (7) Russian Studies. These majors offer opportunity for a broader preparation in certain areas of study than that afforded by the existing departmental majors.

Students who select an interdepartmental major are not required to complete the customary departmental major, but they must fulfill all other requirements for a degree. (See pages 73 to 74.)

Since the curriculum for each interdepartmental major is organized in detail, students should plan their programs of study rather carefully in consultation with the adviser listed for the field.

American Studies- Adviser: Mr. Glen R. Thomas

The interdepartmental major in American Studies emphasizes as a foundation a balanced program in the following:

1. American History
2. Literature and Philosophy
3. Social Sciences
4. Fine Arts
5. A knowledge of at least one non-American civilization.

In addition to four required American Studies seminars, a minimum of twenty-four hours in 300-400 level courses must be taken in a combination of these five areas. Beyond these basic requirements the program stresses flexibility in meeting the interests of the individual majors. A student may, according to his interests, concentrate in one of the above areas.

The general requirements are exactly the same as those for the Bachelor of Arts degree. It is recommended, however, that prospective majors take Political Science 201-202 to satisfy the requirement in social science.

A major program requires that each student complete the four American Studies seminars in the junior and senior years. No two seminars may be taken concurrently. The remainder of the major program will be planned around the five areas that form the core of the major in close consultation with program adviser.



Asian Studies —Adviser: Mr. Kurt F. Leidecker

The Asian Studies major differs from the traditional interdisciplinary majors both in subject matter and method of study. It is built around a core course which is so structured that any of its four components may also be taken for credit by students who are not majors in Asian Studies.

The areas covered at present are South, Southeast, Central and East Asia. The major program can be so arranged in consultation with the adviser that it may serve the special interest of the student.

Independent study, honors work, attendance at summer sessions of universities and institutes offering courses in the Asian field or Asian languages, and study abroad during the sophomore or junior year, particularly in the Orient, will be encouraged. Graduate study should not be ruled out as a continuation of the program offered at Mary Washington.

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PROGRAM
OF STUDIES

Classical Civilization- ADVISER: MRS. LAURA SUMNER

This interdepartmental major is centered in classical civilization and culture. Courses in the art, philosophy, history, and literature of ancient Greece and Rome constitute the basic requirements. Either Latin or Greek must be taken in addition to a modern language, and both are recommended.

The general requirements are exactly the same as those for the Bachelor of Arts degree, with these exceptions:

- (1) French, German, Latin or Greek must be taken to satisfy the language requirement.
- (2) Philosophy 101-102 or Art 111 and 213 are recommended to satisfy the humanities requirement.

A major program requires that a student earn forty credits in courses in classical civilization.



Twelve credits, in addition to the credits used to fulfill the language requirement, in either Latin or Greek must be included in these hours. Other courses in ancient philosophy, art, civilization and archaeology will be worked out by the student and an adviser.

Latin American Studies — ADVISER: MISS MARY ELLEN
STEPHENSON.

A person wishing to major in Latin American studies must complete thirty-six hours which the director of the program and his committee accept as forming a coherent program concerned with Latin America. This program must include Readings and Research on Latin America (6 credits). The language requirement of the college must be met with a language of Latin America.

The above program is intended to give students interested in humanities and/or social sciences an opportunity to concentrate on the Latin American region. The one course, Readings and Research in Latin America, will be a seminar devoted to selected topics in art, architecture, economics, folklore, geography, history, literature, and politics of Latin America.

Other courses would be drawn from among the following Latin American content courses:

Geography: 334, 335

History: 337, 358, 451, 452

Political Science: 351, 352

Modern Foreign Languages:

Portuguese 491

Spanish 219-220, 228, 237, 239, 240 or 329, 320, 429, 430,
431, 432, 491

In addition, the committee could allow credit for other courses when the particular program of the student seemed to warrant its inclusion.



Pre- Foreign Service- ADVISERS: MR. VICTOR FINGERHUT, MR. KURT F. LEIDECKER

The interdepartmental major in pre-Foreign Service is a liberal arts course in which the offerings of certain departments are regrouped in such a way as to provide a broad background in international cultural and/or political affairs. The program title is not meant to imply any guaranteed or preferred access to the Foreign Service of the United States. However, the course of study provides a firm, cross-cultural undergraduate educational background for a student wishing to work in one of the many agencies of the United States directly or after supplementary training, to enter a business firm overseas, to teach in a foreign country, to join the Peace Corps, to work for a domestic organization, institution or foundation having a foreign department, or to continue language, area, or foreign relations studies at a graduate school.

A student choosing this major should indicate an interest at the latest during the second semester of the freshman year. Great stress is laid on American backgrounds, international area studies, and particularly foreign languages.

The general degree requirements are the same as for the Bachelor of Arts degree, with these qualifications:

1. Philosophy 101-102 must be taken to satisfy the mathematics or philosophy requirement.
2. The modern foreign language to be taken should be the one in which the student comes to Mary Washington College with some proficiency, as determined by the Department of Modern Foreign Languages. This does not preclude the possibility of taking up a second foreign language, preferably in the sophomore year.
3. Economics 201-202 or Political Science 201 and 202 must be taken to satisfy the social science requirement.

The major program requires that a student earn 54 credits in recommended courses in the following departments:

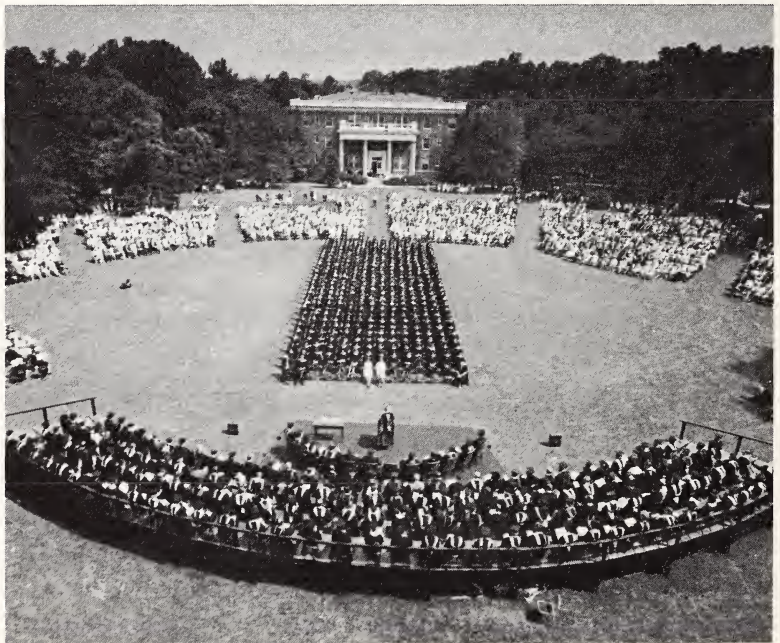
Modern Languages.....	12 credits
Geography	9 credits
Political Science	6 or 9 credits
Economics	9 or 6 credits
History.....	6 credits
Philosophy	6 credits
English or Psychology or Sociology.....	6 credits

Ten additional credits are to be selected from cognate courses in various departments, including those mentioned under the major program, in order to attain greater proficiency in certain fields. In the event that relevant special courses are announced, the candidate for a degree is expected to take them under this category.

Special groupings of courses, depending on the type of foreign service the student wishes to enter, will be made upon consultation with the adviser and the department involved.

At least one-third of all courses taken must be on the junior and senior levels. Engaging in independent study and participation in honors work, the Liberal Arts Seminars, and the Junior Year Abroad are encouraged so as to intensify certain area studies.

PROGRAM OF STUDIES



Pre-Medical Sciences- ADVISER: MR. THOMAS L. JOHNSON

The interdepartmental major in the pre-medical sciences is designed as an undergraduate program for students planning to enter schools of medicine and dentistry. It provides a broader basis for further scientific study than the majors in biology or chemistry, but it does not replace majors in these fields. The general requirements are exactly the same as those for the Bachelor of Arts degree with these exceptions:

- (1) French, German, or Russian must be taken to satisfy a language requirement.
- (2) Math 111; Psychology 201-202; Biology 121-122; and Chemistry 111-112 must be taken as preparation for advanced courses in the pre-medical sciences.

A major program requires that a student earn thirty-six credits in pre-medical courses. Twenty-eight of the required credits must be:

Chemistry 211-212, Organic Chemistry	8 credits
Chemistry 251, 252, Analytical Chemistry	8 credits
Physics 101-102, General Physics.....	8 credits
Biology 221, Chordate Anatomy.....	4 credits

Eight additional credits are to be taken in courses selected from the following:

Biology
Chemistry
Psychology

The above program meets the course requirements for admission to practically all the medical schools, including that of the University of Virginia. However, students are advised to consult the catalogue of the school which they wish to enter for detailed listings of requirements. With permission of the adviser the requirements listed above may be modified to meet the special requirements of particular schools.

Recommended electives are bacteriology, embryology, genetics and other advanced courses in biology. Physical Chemistry is recommended by many medical schools.

Russian Studies— ADVISER: MR. JOSEPH BOZICEVIC

The interdepartmental major in Russian Studies combines the study of Russian language and literature with cognate courses chosen from various departments in art, drama, economics, English, geography, history, music, political science, and sociology. The general degree requirements are those for the Bachelor of

Arts, with an additional six credit hours in a 200-level Russian language course.

The major program requires a minimum of 36 hours:

Core Courses (18 credit hours must be taken by Russian Studies major):

History 357, 358 History of Russia	6cr.
Russian 271, 272 Introduction to Russian Literature (Selected readings in Russian)	6cr.
Russian 377, 378 Russian Literature in Translation	6cr.

Other Courses within Major (minimum of 18 credit hours in addition to core courses) to be selected from the following:

Art 214 Medieval Art	3cr.
Art 312 Early Medieval Art	3cr.
Dramatic Arts 211, 212 World Drama	6cr.
Economics 391 Comparative Economic Systems	3cr.
English 231 Short Fiction	3cr.
English 232 The Novel	3cr.
Inter. 372 Continental Fiction	3cr.
Geography 326 Geography of the Soviet Union	3cr.
Geography 462 Political Geography	3cr.
History 235 Early Modern Europe, 1618-1815	3 cr.
History 236 Modern Europe, 1815 to present	3 cr.
History 493, 494 Special Studies in European History	6cr.
Music 111, 112 Survey of Music	6 cr.
Political Science 302 Comparative Government II	3 cr.
Political Science 361 Problems of Communism	3 cr.
Russian 371, 372 Soviet Russian Literature (Selected readings in Russian)	6 cr.
Russian 491 Independent Study	6 cr.
Russian Studies Seminar	6 cr.
Sociology 492 Special Readings	3 cr.

Beyond the basic degree requirements and the 18 credits of core courses, the program remains flexible. A student may pursue his course of study concentrating on:

- a) Russian Language and Literature
- b) Social sciences
- c) A combination of courses from a minimum of five various related disciplines

Additional courses in Russian literature in translation including Pushkin, Tolstoy, Dostoevsky, Gogol, Turgenev, Chekhov, Gorky, and others will be offered in subsequent years.

For possible additional related courses in various departments consult the program adviser.



Cooperative Programs

Cooperative Program in Medical Technology—

ADVISER: MISS ROSE MARY JOHNSON

The College offers a degree program in Medical Technology in cooperation with the University of Virginia School of Medicine and Norfolk General Hospital School of Medical Technology. The curriculum covers three sessions of academic work at Mary Washington College, followed by a twelve-month period of specialized training in medical technology.

On successful completion of the fourth academic year the degree of Bachelor of Arts in Medical Technology will be awarded by Mary Washington College. After satisfactory completion of the twelve-month period in the School of Medical Technology at Charlottesville or Norfolk, the student will be eligible to take the examinations for registration and certification by the Board of Registry of Medical Technologists of the American Society of Clinical Pathologists.

The number of students who can be admitted to the final twelve-month training period is limited by the facilities available. Admission to the last two years of the program will be based upon scholastic record, demonstrated aptitude, and a personal interview by Medical Technology School representatives. Application for the fourth year should be made about one year prior to entrance. After registration for the second semester of the junior year a transcript must be sent to the Registrar, Registry of Medical Technology, 710 S. Wolcott Avenue, Chicago, Illinois, with \$1.00 evaluation fee, for approval. The interview with Medical Technology School representatives will follow.

In the event that a student enrolled in this program should change his interest or not qualify for admission to the clinical laboratories, he may continue with the regular degree program at Mary Washington College and the courses he has taken may be applied to a major in biology or chemistry.

A suggested outline for the first three years of study is outlined below. It is recommended that the student obtain a catalogue from the desired school of medical technology as soon as possible so that he may satisfy the specific requirements for entrance to that school.

Curriculum at Mary Washington College

First Year:

English Composition and Literature Courses	6
Chemistry 111-112	8
Mathematics 111, 121 or 131.....	6
Elective(s). . .(foreign language, history, fine arts, social science)	6-12
Physical Education	2
Total	28-34

Second year:

English: Sophomore Literature Courses	6
Biology 121-122	8
Chemistry 251-252	8
Electives (foreign language, history, fine arts, social science, calculus, statistics).....	12
Total	36

Third year:

Biology 371 and Biology 382.....	9
Chemistry 311-312	8
Electives (other biology, foreign language, history, social science, psychology, etc.)	14-20
Total	30-36

*The program for the third year should be planned in consultation with the faculty adviser. Total hours for the three years must be not less than 94.

Curriculum at University of Virginia School of Medicine

Fourth Year

Detailed outlines of the curriculum for the fourth year at the University of Virginia may be obtained from the institution.

The tuition fee for the twelve-month training period at the University of Virginia is \$100.00. This does not include maintenance or uniforms. The following fees are also charged: comprehensive fee \$122.00 and Women Students' Association fee, \$3.00. Enrollees are registered as students of the University of Virginia in

the Department of Medicine, and housing is available in Mary Munford Hall. (See University of Virginia catalogue for rates, etc.)

The clinical laboratories of the University of Virginia School of Medicine are approved by the Board of Registry of the American Society of Clinical Pathologists and by the Council on Medical Education and Hospitals of the American Medical Association. Students completing the program as outlined meet the requirements of the Registry of Medical Technologists.

Students desiring to enroll in this program should make application to the Director of Admissions, Mary Washington College of the University of Virginia, Fredericksburg, Virginia.

Curriculum at Norfolk General Hospital School of Medical Technology

Fourth Year

Detailed outlines of the fourth year curriculum may be obtained from the hospital.

The tuition fee for Norfolk General Hospital School of Medical Technology is \$200. Additional costs include student health program, books, and American Society of Medical Technologists student membership. Housing is available in Royster Hall (approx. \$30 per month).

The School of Medical Technology at Norfolk General is approved by the Board of Registry of the American Society of Clinical Pathologists. The clinical labs for Medical Technology Training are approved by the Council on Medical Education of the American Medical Association.

Cooperative Programs in Physical Therapy—

ADVISER: MISS ANNA SCOTT HOYE

There is a need for physical therapists (1) in the field of general medicine, neurology, orthopedics, and surgery; (2) for work with crippled children; and (3) for specialized services in the hospitals of the Army, Navy, and the Veterans Administration.

Mary Washington College offers two courses of study for preparation of students in physical therapy. One provides two or three years of liberal arts work meeting the prerequisites for specialized training at any approved school of physical therapy which offers a two-year program. Upon satisfactory completion of the required work, the degree of Bachelor of Science in Physical Therapy will be awarded by the particular medical school attended.

The second program is one in which a student graduates from Mary Washington College with a major in some appropriate field. Post-baccalaureate work may then be taken at an approved school of physical therapy with the possibility of earning graduate credit to be applied toward a master's degree. All courses of study should be worked out in detail with the help of the curriculum adviser.

A suggested outline for the first two years of study follows. Substitution may be made with approval of the curriculum adviser. It is recommended that as soon as possible, certainly before the end of the freshman year, the student should make known to the adviser which school she wishes to make application for professional training, in order that specific prerequisites may be met.

A list of physical therapy schools approved by the Council on Medical Education and Hospitals of the American Medical Association, together with their particular prerequisites for entrance, is made available to each student in the adviser's office.

Suggested curriculum at Mary Washington College:

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PROGRAM OF STUDIES

First Year

English Composition and Literature Courses	6
Mathematics 111, 121 or 131	6
Biology 121-122, Biological Concepts	8
Chemistry 111-112	8
Physical Education	2
Total	30

Second Year

English: Sophomore Literature Courses	6
Biology 337-338, Anatomy and Physiology	8
Psychology 201-202, General Psychology	6
Physics 101-102 (non-calculus)	8
Elective: Social Science	6
Physical Education	2
Total	36

Orientation without credit is offered every year in the form of a professional Physical Therapy Club. All interested students may join and participate in the club's varied activities such as visits to nearby institutions, indoctrination lectures, moving pictures, etc.

Directions for admission to Mary Washington College are to be found elsewhere in this catalogue. Application to the professional school is made at the end of the school year which precedes the last year of study at Mary Washington College.

Cooperative Program In Nursing—

ADVISER: MISS REBECCA T. WOOSLEY

The Cooperative Program in Nursing between Mary Washington College and the School of Nursing, University of Virginia, is a four year curriculum leading to the degree of Bachelor of Science in Nursing. This program consists of prescribed lower division courses* prerequisite to the nursing major, and an upper division** nursing major.

Required lower division courses are offered by Mary Washington College of the University of Virginia in Fredericksburg, Virginia. The upper division nursing major is offered by the School of Nursing, University of Virginia, in Charlottesville, Virginia. Satisfactory completion of this program qualifies the graduate for beginning positions in hospitals, clinics, doctors' offices, schools, industry, public health nursing and for commissions in military service. Most full-time students can complete this program in four semesters of study at Mary Washington College, one six-week summer session and four semesters at the School of Nursing, University of Virginia.

Initial application for admission to this program is to be made to Mary Washington College. Appropriate application forms may be obtained from the Director of Admissions, Mary Washington College of the University of Virginia, Fredericksburg, Virginia 22401.

Candidates for admission to the School of Nursing must meet the following requirements:

1. Completion of the lower division courses of the cooperative program in nursing offered by Mary Washington College of the University of Virginia in Fredericksburg, Virginia.
2. A cumulative grade point average of 2.00 on courses prerequisite to the nursing major.
3. Potential for scholarly achievement and development of professional qualities required of the nurse.

*First and second year of the program.

**Third and fourth year of the program.

Application Procedure

During the fall semester of the second year at Mary Washington College, students who wish to transfer to the School of Nursing, University of Virginia, should request an application by writing to the Office of Admissions, The Rotunda, University of Virginia, Charlottesville, Virginia 22903. Completed applications must be received by the Office of Admissions by February 1 preceding the summer in which the student expects to enter the nursing program. The student is required to send or have the proper authority send the following to:

Dean of Admissions
The Rotunda, University of Virginia
Charlottesville, Virginia 22903

1. A completed formal application with a recent photograph attached.
2. A transcript of high school record or its equivalent.
3. Scores attained on the Scholastic Aptitude Test of the College Entrance Examination Board.
4. A transcript of all college work at the completion of the second year at Mary Washington College.

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PROGRAM OF STUDIES

CURRICULUM LEADING TO BACHELOR OF SCIENCE IN NURSING

Lower Division: Courses Prerequisite to the Nursing Major
(Course to be taken at Mary Washington College)

Humanities

12 semester hours

Required:

English Composition

Balance of credit can be taken in any of the following fields: foreign language, literature, religious studies, speech and drama, fine arts, music or philosophy.

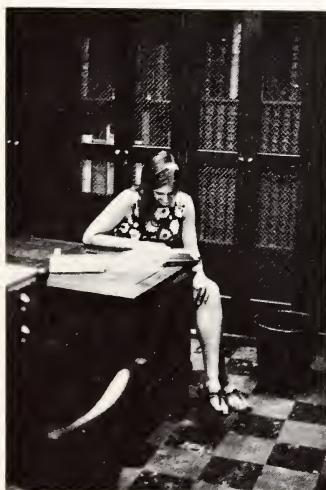
Social Sciences

18 semester hours

Required:

General Psychology

General Sociology



Balance of credit can be taken in any of the following fields: psychology, sociology, history, anthropology, economics, government and foreign affairs, geography and political science

Natural Sciences and Mathematics

23 semester hours
(minimum)

Required:

General Chemistry

Human Anatomy and Physiology

Microbiology or Bacteriology

Balance of credit can be taken in any of the following fields: chemistry, biology, anatomy, physiology, microbiology or mathematics.

Electives

3 semester hours
(minimum)

Total (Lower Division) 56 semester hours

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Curriculum at the University of Virginia

**PROGRAM
OF STUDIES**

Summer Session

Sem. Hrs.
Cr.

Nursing I: Introduction to Health Care and Nursing6
The first course in the nursing major, Introduction to Health Care and Nursing, is offered in a six-week summer session on the Grounds of the University of Virginia. Students are required to complete all lower division work prerequisite to the nursing major before enrollment in Introduction to Health Care and Nursing.

Sem. Hrs.
Cr.

Third Year

Nursing 51: Dynamics of Human Relations2
Nursing 53-55: Nursing Needs of Adults and Children10
Nursing 60: Interpersonal Relations in Nursing3
Nursing 62-64: Nursing Needs of Adults and Children10
Commerce 61: Principles of Organization and Management3
Electives (from areas other than Nursing)3

Fourth Year

Nursing 81: Nursing Needs of Adults with Complex Medical-Surgical Problems	4
Nursing 83: Nursing Needs of Patients with Emotional Illness	4
Nursing 85: Nursing Needs of Child-bearing and Child- rearing Families with Complex Problems	4
Nursing 89: Nursing Needs of the Community	4
Nursing 91: Leadership in Nursing Practice	4
Nursing 93: Independent Study	2
Nursing 95: Nursing Elective	2
Electives	6
Total (Upper Division)	67

After successful completion of the program, the student is eligible to write the examination for licensure as a registered professional nurse.

Information concerning tuition, expenses, and terms of payment appears in the School of Nursing catalogue which can be obtained by writing the Director of Admissions, School of Nursing, University of Virginia, McKim Hall, Charlottesville, Virginia 22903.



Cooperative Program in Speech Pathology and Audiology—ADVISER: MR. ALBERT G. DUKE

There is an increasing demand for teachers and clinical workers with special training in speech, including speech pathology and audiology. To supplement the major program in Dramatic Arts and Speech at Mary Washington College, a cooperative program has been established with the University of Virginia to provide a pre-professional program in speech pathology and audiology.

This program provides that the first three years of work be taken at Mary Washington College and that the fourth year be spent in residence at the University of Virginia in Charlottesville. Students who transfer to Mary Washington College are required to spend two years in residence prior to their senior year at the University. Upon completion of the program at the University of Virginia the student receives a Bachelor of Arts degree from Mary Washington College.

The Bachelor's degree does not signify that the recipient is fully prepared for clinical services to children and adults with language, speech, voice and hearing disorders, nor for professional certification from the American Speech and Hearing Association. The programs for the Master's degree in speech pathology and audiology are designed to satisfy academic requirements of the American Speech and Hearing Association for the Certificate of Clinical Competence in Speech Pathology and Audiology.

Students interested in the program should apply to the Director of Admissions, Mary Washington College.

A normal course of study for the cooperative program in speech pathology and audiology is as follows:

Curriculum at Mary Washington College

<i>First Year</i>	<i>Semester-hours</i>
English Composition and Literature Courses.....	6
Foreign Language	6
Mathematics.....	6
Natural Science.....	8
Health Education 100, Health	2
Physical Education	2
Total	30

PROGRAM
OF STUDIES

Second Year

	Semester-hours
English: Sophomore Literature Courses	6
Foreign Language	6
Speech 231-232, Oral Interpretation*.....	6
Psychology 201-202, General Psychology	6
History 101-102, American History.....	6
Physical Education	2
Total	32

Third Year

Fine Arts*.....	6
Speech 421-422, Voice Science and Phonetics**.....	6
Dramatic Arts and Speech.....	6
Psychology 321, Child Psychology	3
Elective (Psychology, Dramatic Arts or Speech).....	3
Psychology 311, Abnormal Psychology (Mental Hygiene)	3
Social Science (History, Political Science, Economics, or Sociology)	6
Total	33

Curriculum at the University of Virginia*Fourth Year*

	Semester-hours
Speech Education 106: The Bases of Speech	3
Speech Education 108: Experimental Phonetics	3
Speech Education 121: Rehabilitation Programs in Speech and Hearing	3
Speech Education 131: Principles of Speech Correction	3
Speech Education 132: Principles of Speech Pathology.....	3
Speech Education 133: Diagnostic Techniques in Speech Pathology	3
Speech Education 140: Articulation Disorders.....	3
Speech Education 151: Introduction to Audiology	3
Electives.....	6
Total	30

Observation and Practice Facilities. As a part of the academic program in speech pathology and audiology, observation and *Speech 231-232, Oral Interpretation, and Dramatic Arts 211-212, World Drama, recommended.

**Speech 421-422, Voice Science and Phonetics, is offered only in alternate years. If offered during a student's sophomore year, this course should be taken in place of Oral Interpretation, which should be deferred until the junior year.



supervised practice are required. Opportunities for such are provided by the Speech and Hearing Center and also through established working relationships with such facilities as the Charlottesville City and Albemarle County Public Schools, certain Departments of the University of Virginia Medical Center, the Children's Rehabilitation Center, the Virginia School for the Deaf and the Blind, the Woodrow Wilson Rehabilitation Center for adults, the Veterans Administration Hospital, and the Mobile Clinic of the Virginia Hearing and Speech Foundation, Inc.

Internship Program for the Preparation of Teachers

Through arrangements with the University of Virginia, a qualified Mary Washington College student may enter after graduation the Internship Program for the Preparation of Teachers. Students may prepare to teach in special programs for exceptional children, or in any one of the following secondary school fields:

Biology	Latin
Chemistry	Mathematics
English	Music
French	Physics
General Science	Social Studies
History	Spanish

At Mary Washington the student takes work to fulfill a major program and degree requirements. He completes all work in general and professional education that is required for Virginia certification except Supervised Teaching. Immediately after graduation from Mary Washington the student enters the Summer Session of the School of Education at the University. He will take course work as further preparation for teaching a subject or grade level. In the fall he will be assigned to a cooperating school where he will have half of a teaching load, for which he will receive half salary. A cooperating teacher will be assigned by the school division to work with and help the student. College supervisors will be in close communication with intern teachers, and

seminars will be conducted periodically. During the intern year the student will be permitted to earn three graduate credits a semester, in addition to the six credits for the year he will earn for the intern teaching. After the year of intern teaching, the student may return to the University to complete the remaining work which leads to the award of a masters degree.

Inquiries about the program should be directed to the Department of Education at Mary Washington College.

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PROGRAM OF STUDIES



*Course
Offerings*





Nearly 500 courses in 23 disciplines are offered at Mary Washington College each year. Included are course offerings in American Studies; Art/History of Art, Studio Art (Practice of Art); Asian Studies; Astronomy; Biology; Chemistry; Classics/Greek, Latin, Classical Civilization; Dramatic Arts and Speech; Economics and Political Science; Education; Physical Education/Health, Physical Education, Dance, Recreation; History; Home Economics; Liberal Arts Seminar; Mathematics; Modern Foreign Languages/French, German, Italian, Japanese, Portuguese, Russian, Spanish; Music; Philosophy; Physics; Psychology; Religion; and Sociology.

Courses numbered from 100 to 199, inclusive, are usually regarded as first-year courses; 200 to 299, second-year courses; 300-399, third-year courses; and 400-499, fourth-year courses. All course credits are expressed in semester hours. A course listed as "six credits" is a continuous course for the session of nine months and carries a credit of six semester hours. Courses listed as "three credits each semester" may be taken for a semester only if desired.

Continuous courses, of which the student must complete both semesters to receive any credit, are indicated by hyphens between the numbers, such as Biology 121-122.

Courses for which credit is given for either or both semesters are indicated by commas between the numbers, such as Art 305, 306.

Courses in which the first semester is not prerequisite for the second are indicated by a plus following the number, such as English 371, 372+.

AMERICAN STUDIES/ *Associate Professor* GLEN R. THOMAS,
Adviser

The following four seminars are designed specifically for American Studies majors, and must be taken in their junior and senior years. These seminars will be open to students by permission of the instructor.

American Studies Seminar 301—*Regionalism*.

An inquiry into the cultural regions of the United States, covering such topics as the European heritage, ethnic and racial elements of the population, environmentalism, the growth of social institutions, the individual art forms, and the philosophy of regionalism. Three credits.

American Studies Seminar 302—*Darwin and Freud*.

A study of the impact of evolution and psychoanalytic theory upon American thought, with special attention to literature, religion, sociology, and psychology. To be taken in the junior year. Three credits.

American Studies Seminar 401—*The Impact of the American Experience on the Fine Arts in America.*

A Study of selected individuals and their work in the creative arts in the United States. The seminar will investigate whether or not there is a unique "American art" form. Three credits.

American Studies Seminar 402—*Mass Media and American Culture.*

A study of contemporary American culture through an analysis of mass media: television, popular music, popular theatre, best-sellers, movies, newspapers, advertising and sports. These popular expressions are to be examined as a means of illuminating American character, values, ideals and aspirations. Three credits.

American Studies 490, 491—*Independent Study.*

Directed individual research on approved problems in American Studies. Three or six credits.

ART/Professor PAULINE G. KING, Chairman; Professor BINFORD; Visiting Potter, HARA; Associate Professors MUICK, OLIVER; Assistant Professors HERBAN, IMAI, LAMPH; Instructors CELENKO, JOHNSON, LORENZ.

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**COURSE
OFFERINGS**

Art

Two Major Programs are offered leading to the B.A. Degree: one in the History of Art, the other in Studio Art.

Any course may be elected by non-majors who have satisfied the prerequisites. Courses in either the history of art or studio art may be taken to satisfy the Humanities requirement for the B.A. Degree. Art 111 or its equivalent is prerequisite for all other art history courses; Art 101-102, or their equivalents, are prerequisite for any 200 level course in studio art except Pottery 251, 252 which incorporates introductory design principles. Specific course prerequisites should guide the student in making elective choices.

History of Art Major:

The student is required to take 30 credits beyond the Fine Arts requirement for the B.A. degree (Art 111 plus one course selected from the Sequence 213, 214, 215, and 216). However for art history majors these 200 level courses are prerequisite for advanced courses in corresponding periods or subject matter areas. In summary, 9 credits from the 200 level sequence are to be counted as part of the 30 credits in the major; 18 credits are to be selected from the art history courses on the 300 and 400 level; and 3 credits must be taken in a research oriented course, one of the following: Art 485, Art 490, 491, or Art 492.

Students planning to do graduate work in art history are advised to take a second foreign language among their electives.

A reading knowledge of both French and German is required for most graduate work in art history.

In order to assure a well-rounded, liberal arts program, it is recommended that while the student is reviewing courses to fulfill the degree requirements for the remaining 34 hours of credit, in consultation with her adviser, she consider the following groups of suggestions:

Foreign language (French or German)

History courses (including History 211, 212, if not already taken or unless the student has had World History in high school)

Studio art courses

Selections from the following: archaeology; Introduction to Anthropology; dramatic arts (211, 212; 361, 362); Liberal Arts Seminar; advanced courses in literature, music (history and literature), mythology, philosophy, and religion.

Studio Art Major:

The student is required to take 24 credits in studio art more advanced than Art 100-102, and 12 credits in art history. Art 101-102, or its equivalent is prerequisite for any 200 level course in studio art. Art History 111 plus one of the 200 level art history courses may be taken as part of the 12 credits required in the studio major; if so, the Fine Arts requirement for the B.A. degree may be satisfied by taking Music 111, 112, or Dramatic Arts 211-212. If a student has completed the college requirements for graduation and fulfilled the requirements for the major, he may elect additional studio art courses.

A summary of the required sequence of courses is as follows: 8-12 credits are to be selected from courses numbered on the 200 level; at least 12 credits are to be selected from courses numbered on the 300-400 levels.

Students expecting to teach art should see their adviser toward the end of the sophomore year, to be sure that state certification requirements may be met by scheduling the necessary departmental courses. In addition, Art Ed. 342 (listed under the Education Department), is required in the junior or senior year for the prospective art teacher; it must be taken before the student does student teaching.

French, German, and Italian are the languages most useful for the studio art major, insofar as European travel or the ability to read the historical literature of the field are concerned.

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COURSE OFFERINGS

Art

Studio Art Courses

Art 101—Two-dimensional Design.

Experiments in the inventive use of materials, tools, and elements of design (e.g. line, shape, texture, value, color, etc.) as related to a two-dimensional surface. The use of figurative and non-figurative imagery in basic non-verbal communication. Given each semester. Two double periods per week. Three credits.

Art 102—Three-dimensional Design.

A development of three-dimensional structures, emphasizing the construction of visual order in space. Exercises and experiences will be provided showing the relationships between two-dimensional and three-dimensional design, through the use of such elements of design as texture, plane relationships, line and color, unity and variety of masses, etc. Both figurative and non-figurative subject-matter will be utilized. Two double periods per week. Three credits.

Art 201, 202+—Drawing.

Prerequisite: Art 101-102 or its equivalent. Structural drawing of various forms with special emphasis on symmetrical and asymmetrical order, static and dynamic forces, space and time concept, harmonious and contrary unity. Three double periods per week. Three credits each semester.

Art 211, 212+—Life Drawing.

Prerequisite: Art 101-102 or its equivalent. A variety of approaches to the drawing of organic forms in figurative and non-figurative systems. Study of the human body from the live model in a progression from objective interpretation to subjective expression. Six hours per week. Three credits each semester.

Art 231, 232+—Beginning Sculpture.

Experience in principles of form and design. The study and construction of volume and mass through the use of plastic and carving media. Three double periods per week. Two credits each semester.

Art 241, 242—Drawing and Composition.

Prerequisite: Art 101, 102, or its equivalent. Drawing from life. Abstract and figurative composition in various mediums. Three double periods per week. Three credits each semester.

Art 251, 252+—Pottery and Hand-Building.

A concentrated study of the basic steps and forms of the pottery wheel; exploration of form and texture through various hand-building processes. Three double periods per week. Three credits each semester.

Art 321-322—Printmaking.

Prerequisite: Art 101-102, and one year of drawing or its equivalent. An introduction to concepts, materials and methods used in printmaking: etching, engraving, aquatint and other intaglio techniques; collagraphy; lithography; relief processes; and serigraphy. Six hours per week. Three credits per semester.

Art 341-342+—Intermediate Sculpture.

Prerequisite: Art 231, 232, or its equivalent. Representational and non-representational projects in a variety of media. Three double periods per week. Three credits each semester.

Art 351, 352—Oil Painting.

Prerequisite: Art 241, 242, or its equivalent or examination. Still-life and landscape painting. Three double periods per week. Three credits each semester.

Art 381-382—Pottery and Hand-Building.

Prerequisite: Art 251-252, or its equivalent. A more advanced study of wheel thrown forms; further exploration of hand-building processes; ceramic sculpture, and glaze experiments and firing. Three double periods per week. Three credits each semester.

Art 401, 402+—Figure Painting.

Prerequisite: Art 351, 352, or its equivalent. Nude and costumed figure painting; portraiture. Three double periods per week. Three credits each semester.

Art 411, 412+—Advanced Sculpture.

Prerequisite: Art 341, 342. The development of ideas and sketches to be executed in permanent materials. Three double periods per week. Three credits each semester.

Art 475, 476, 477, 478+—Special Studies in Studio Art.

A course designed to offer opportunity to the student who wishes to continue work, independently, in a field of her choice, but under the supervision of a member of the studio faculty. Three double periods per week. Three credits each semester.

See also, Art Ed. 342 (listed under the Education Department). Seminar in Art Education.

See also, Ed. 440—Supervised Teaching.

History of Art Courses

Art 114, 115—Introduction to the History of Art.

Emphasis on certain monuments of Western art, concentrating on architecture, sculpture, and painting. Monuments to be considered in terms of the technical principles involved, their stylistic importance, their relationships to other works more freely selected by the instructor, and the probable aesthetic and cultural factors relevant to their creation. Three hours per week. Three credits each semester.

Art 213—Ancient Art.

An introduction to the outstanding contributions made by the Near East, Greece and Rome to the formation of Western art. Three hours per week. Three credits.

COURSE OFFERINGS

Art

Art 214— *Medieval Art.*

An assessment of the dominant contributions of Medieval Europe to Western art. Three hours per week. Three credits.

Art 215— *Renaissance and Baroque Art.*

An introduction to the art of the Renaissance and the Baroque with an emphasis on humanist trends. Three hours per week. Three credits.

Art 216— *Nineteenth and Twentieth Century Art.*

A study of the stylistic and technical developments necessary to an understanding of modern art. Three hours per week. Three credits.

Art 310— *Art and Archaeology of the Ancient Near East.*

Egypt, the Near East, and the Aegean world with emphasis on cultural exchange during the Bronze Age. Three hours per week. Three credits.

Art 311— *Classical Art.*

The development of Hellenic art and subsequent developments through Etruscan and Roman art. Three hours per week. Three credits.

Art 312— *Early Medieval Art.*

Early Christian and Byzantine art, the arts of the migration period, and Pre-Romanesque art. Three periods per week. Three credits.

Art 313— *Later Medieval Art.*

At the beginning, a survey of the arts of the late eleventh century; course concentration on the emergence and development of Romanesque and Gothic art, ending with the court styles of the fourteenth century and the transition to the renaissance. Three periods per week. Three credits.

Art 315— *Seventeenth Century Art.*

Emphasis on the Carracci and Caravaggio; Bernini and Borromini; Rubens, Rembrandt, and the Dutch landscapists; Poussin and Claude; palace and garden design; Velasquez; the Baroque ceiling. Concurrent emphasis on "the Baroque" as it evolves from "Mannerism," changes in subject matter and technique. Three hours per week. Three credits.

Art 316— *Eighteenth Century Art.*

Emphasis on French Rococo, its derivations and influences on Continental and British art; the evolution of its forms into the Neo-Classical; the tendencies leading toward romanticism and industrialization. Consideration of the decorative arts as evidence of stylistic change wherever relevant. Three periods per week. Three credits.

Art 317— *Northern Art.*

Painting and graphics of the Lowlands, France and Germany from the late medieval period through the early sixteenth century. Three periods per week. Three credits.

Art 318—*Italian Renaissance Art.*

Art of the Italian Renaissance and its origins in the social and intellectual climate, with emphasis on painting. Three periods per week. Three credits.

Art 319—*Italian Renaissance Architecture and Sculpture.*

A treatment of the historic, aesthetic, and theoretical bases for these arts, in the 15th and 16th centuries. Landscape design and city planning as settings will be dealt with where relevant. Three periods per week. Three credits.

Art 335—*The Art of Primitive Peoples.*

An introduction to the arts of the three major art-producing areas of the primitive world: Negro Africa, Oceania, and North America, but with the emphasis upon Africa. While examples of architecture and painting are discussed, sculpture is stressed. Three periods per week. Three credits.

Art 391—*Georgian Art.*

A study of British art and aesthetics, largely of the eighteenth century, stressing not only portraiture and Palladianism, but the rise of exoticism and nostalgia which show Britain to be the cradle of Romanticism. Three periods per week. Three credits.

Art 451—*Nineteenth Century Art.*

Emphasis on French painting and sculpture with some aspects of these arts in other European countries included. The course covers the movements of Classicism, Romanticism, Realism, Impressionism and Post-Impressionism. Three periods per week. Three credits.

Art 452—*Twentieth Century Art.*

A survey of the painting and sculpture of Europe and the United States. Three hours per week. Three credits.

Art 453—*Modern Architecture.*

A study of the outstanding changes in form, style, and technology, with reference to their historical sources and to the individuals who have made lasting contributions. Three credits.

Art 481—*American Art.*

Survey of American painting and sculpture with emphasis on 19th and 20th centuries. Three credits.

Art 483-484—*Connoisseurship, Research and Gallery Course.*

Prerequisite: permission of the instructor. The course provides the opportunity for studying the theoretical and practical aspects of connoisseurship, research and exhibition of works of art, through lectures, field trips, the writing of exhibition catalogs and direct involvement with the college exhibition program. While some professional training is involved, the goal of the course is to provide opportunity for research on actual art objects.

COURSE OFFERINGS

Asian Studies

Art 490, 491—*Independent Study.*

Individual study under the direction of a member of the art history staff. Three credits each semester. (By permission of the department, on the basis of a presentation by the student of her problem, and a description of her method of approach, accompanied by an indication of the part to be played by the art history staff member.)

Art 492—*Special Studies in Art History.*

Open to all art history majors and otherwise qualified students of junior and senior status who desire a special course in an area of art history previously selected by the department after consultation with the students. The emphasis will be on specific problems or limited periods in art history. Three hours per week. Three credits.

ASIAN STUDIES/Professor KURT F. LEIDECKER, Adviser.

The Asian Studies core course (Asian Studies I-IV) should be taken by major in Asian Studies as early as possible. Its four components, however, are open singly or in their entirety to all interested students as well.

Asian Studies I—*Languages and Modes of Thought in the Orient.*

The major languages of the region are presented—wherever possible by specialists—with emphasis on their written, phonetic, linguistic and semantic features in order to obtain an insight into the thinking and behavioral patterns of the people speaking these languages. Three credits.

Asian Studies II—*The Religions of the Orient from Animism to Metalogical Systems.*

Man's quest in the Orient for support, comfort and meaning to his existence by searching for and evolving religious concepts is traced in the context of greatly diversified cultures and civilizations as well as natural environments. Three credits.

Asian Studies III—*The Peoplehood of Orientals .*

Various tribes, ethnic groups and nationalities in the region are studied as to their customary and ethical behavior, their awareness of individual and social values, their outlook on life and interpeople relations. Three credits.

Asian Studies IV—*Values and Ideologies in the Cultures of the Orient.*

A determination of the origin, growth, and realization of the ideals of Eastern peoples and their phenomenological expressions in literature as well as the static and performing arts. Three credits.

Asian Studies V—*Southeast Asian Seminar.*

A three-week, high intensity course covering the area as to its geographic, ethnic and general linguistic features, cultural and religious heritage, and social stratification. An excursus on early culture contacts will be followed by a discussion of the role of colonial powers and its aftereffects. Taught co-operatively. Three credits. (Offered in Summer 1971).

The following courses offered by different Departments are within the scope of Asian Studies.

History of Art 310—*Near Eastern Art Through the Bronze Age*. Three credits.

History of Art 492B—*Special Study: Japanese Painting*. Three credits.

Dance 353—*History of the Dance of the East*. Three credits.

Dramatic Arts 371—*Oriental Theatre*. Three credits

Political Science 322—*Problems in International Politics*. Three credits.

Political Science 354—*Politics of South Asia*. Three credits.

Political Science 355—*Politics of North Africa and the Middle East*. Three credits.

Geography 331—*Geography of East Asia*. Three credits.

Geography 332—*Geography of West Asia*. Three credits.

Geography 462—*Political Geography (Geopolitics)*. Three credits.

Dance 332—*Ethnic Dance of Eastern Cultures*. Two credits.

History 371, 372—*East Asian Civilization*. Three credits each semester.

History 375—*History of Modern China and Japan*. Three credits.

History 367—*Modern Southeast Asia*. Three credits.

History 497, 498—*Special Studies in Far Eastern History*. Three credits each semester.

Japanese 181-2—*Beginning Japanese*. Six credits.

Japanese 183-4—*Intermediate Japanese*. Six credits.

Japanese 185-186—*Advanced Japanese*. Six credits.

Philosophy 311—*Philosophies of India*. Three credits.

Philosophy 312—*Philosophies of China and Japan*. Three credits.

Philosophy 313—*The Philosophy of Buddhism*. Three credits.

Philosophy 352—*Philosophy East and West*. Three credits.

Philosophy 421—*Symbolism*. Three credits.

ASTRONOMY/Instructor DRUZBICK

Astronomy 361,362—*Elementary Astronomy*.

An historical and descriptive survey of the physical universe. Three periods a week. Three credits each semester. Astronomy 361 is prerequisite to Astronomy 362.

BIOLOGY/Associate Professor ROSE MARY JOHNSON, Chairman; Professors BLACK, HOYE, W. C. PINSCHMIDT, JR.; Associate Professors T. L. JOHNSON, PARRISH; Assistant Professors FRIEDMAN, M. W. PINSCHMIDT; Instructors BASS, WILFONG.

Biology 121-122—Biological Concepts, is prerequisite to all advanced courses in biology except by special permission. Students who plan to major in Biology should complete Chemistry 111-112, General Chemistry, and Mathematics 111, Mathematical Analysis, by the end of the sophomore year. Physics 101-102, General Physics, is also recommended. The major program must include twenty-four hours or more of courses more advanced than

COURSE OFFERINGS

Asian Studies

**COURSE
OFFERINGS*****Astronomy***
Biology

Biology 121-122. The program should include courses from as many as possible of the following areas: Botany, Ecology or Marine Biology, Embryology, Genetics, Chordate Anatomy or Histology, Invertebrate Zoology or Parasitology, and Physiology or Biochemistry. At least one semester of Biology 450, Seminar, is required during the junior or senior year. A student who intends to major in biology should arrange a four-year program in consultation with a member of the biology faculty.

Biology 121-122—*Biological Concepts.*

General biological principles as they apply to plants and animals. One three-hour and three single periods a week. Eight credits.

Biology 211—*Plant Ecology.*

A study of basic ecological principles as applied to plants including major biomes, plant succession, competition and micro-macro-environments. Two single and two double periods a week for the first semester. Four credits.

Biology 212—*Plant Physiology.*

Prerequisite: Chemistry 111-112, General Chemistry. Experimental and theoretical treatment of the functional aspects of plants. Two single and two double periods a week for the second semester. Four credits.

Biology 221—*Chordate Anatomy.*

A comparative study of the major systems of representative chordates. Two single and two double periods a week for the first semester. Four credits.

Biology 231—*Botany.*

A survey of the plant kingdom with emphasis on morphogenetic description, life histories and evolutionary relationships. Two single and two double periods a week for the first semester. Four credits.

Biology 241—*Invertebrate Zoology.*

A survey of the invertebrate phyla with emphasis on structural characteristics, life cycles, and evolutionary relationships. Two single and two double periods a week for the first semester. Four credits.

Biology 322—*Animal Ecology.*

The relationships between animals and their environments. Field trips and laboratory studies include observations of marine, fresh-water, and terrestrial animals in their natural habitats. Two single periods and six hours of laboratory or field work a week for the second semester. Four credits.

Biology 331—*Vertebrate Histology.*

The preparation and study of animal tissues. Two single and two double periods a week for the first semester on alternate years. Four credits.

Biology 332—*Chordate Embryology.*

The development of representative chordates. Two single and two double periods a week for the second semester. Four credits.

Biology 337— *Human Anatomy.*

Gross structure of the human body. Two single and two double periods a week for the first semester. Four credits.

Biology 338— *Human Physiology.*

Prerequisite: Chemistry 111-112. General Chemistry. Functional aspects of the human organism. Two single and two double periods a week for the second semester. Four credits.

Biology 342— *Human Genetics.*

Application to the human of the principles of heredity. Three single periods a week during the second semester. To be taught on alternate years with Biology 392. Three credits.

Biology 360— *Cellular Physiology.*

Prerequisite or corequisite: one advanced course in Chemistry. Principles of general and cellular physiology. Two single and two double periods a week for the second semester. Four credits.

Biology 361— *Comparative Physiology*

Prerequisite: Chemistry 111-112, general chemistry. A comparative study of physiological systems in animals. One three hour period and three single period a week for the first semester. Four credits.

Biology 371— *Microbiology.*

Prerequisite: Chemistry 111-112, General Chemistry. A survey of micro-organisms with emphasis on the bacteria, designed to introduce the student to the morphology, physiology, and clinical aspects of the field. Two single and two double periods a week for either semester. Four credits.

Biology 372— *Parasitology.*

The structure, life cycles, and host relationships of invertebrate parasitic forms. Two single and two double periods a week to be taught on alternate years with Biology 331. Four credits.

Biology 382— *Human Anatomy and Physiology.*

Prerequisite: Chemistry 111-112, General Chemistry. A course designed for students in the cooperative programs in nursing and medical technology. Structure and function of the human organism. Three single and two double periods a week for either semester. Five credits.

Biology- Psychology 392— *Behavior Genetics.*

Prerequisite: One year of biology and one year of psychology. The relationship between heredity and behavior of organisms including man; an examination of the relations between mechanisms of genetic transmission and gene action, population structure and evolution, and individual behavior differences. Three single periods a week for the second semester. Three credits.

Biology 441— *Genetics.*

Mendelian inheritance and modern concepts of gene structure and function. Two single and two double periods a week for the second semester. Four credits.



Biology 442—*Evolution.*

History and development of modern evolutionary thought. Three single periods a week for the second semester. Three credits.

Biology 450—*Seminar.*

Selected readings, reports, and group discussions on topics of historical and current biological interest. Open to majors each semester of the junior and senior years. At least one semester is required during the junior and/or senior year. One credit.

Biology 475—*Readings in the Biological Sciences.*

Independent readings in current or classical biological literature in a field selected by the student. The student is guided by and responsible to a member of the staff. Open, each semester, to junior and senior majors with permission of the staff. Two credits.

Biology 476—*Special Problems in Biology.*

Prerequisite: Biology 475. A program of independent laboratory or field investigation for which the student has reviewed the literature and organized her approach in the prerequisite course. The student is guided by and responsible to a member of the staff. Open, second semester, to junior and senior majors with permission of the staff. Three credits.

Biology 490, 491—*Research.*

Four credits each semester. (See statement on honors).

Honors in Biology

1. To be eligible, a student must have a 3.25 grade point average in biology and a 3.0 over-all average for five semesters. Such a qualified student, in order to become an applicant, must have the approval of the Department of Biology by the end of the first semester of her junior year.
2. Biology 475, Readings in Biology, or its equivalent (taken in the second semester of the junior year) will be a prerequisite for Honors work.

3. The approved student must register for Biology 490, 491, Research. A grade of C or less will be given in this course if the Honors Committee decides that the work is not worthy of honors.

4. The chairman of the department will select an Honors Committee composed of three staff members one of which will be the student's advisor for the honors project. The advisor will guide the student in her study and determine the most suitable combination of laboratory work and reading for optimum progress toward the student's goal. This advisor will also direct the writing of a thesis and supervise the oral examination.

CHEMISTRY/Professor LAWRENCE A. WISHNER, Chairman; Professors COVER, INSLEY; Associate Professor MAHONEY; Assistant Professors CRISSMAN, GEORGE;* Assistant Instructor BURKE.

A student who intends to major in chemistry should arrange a four-year program in consultation with a member of the chemistry faculty. Chemistry 211, 212, 393, 394, 451 and 452 are required for a major program in chemistry. Chemistry 111-112 is prerequisite for all other chemistry courses. Mathematics 111 is recommended for the freshman year. Physics 151-152 should be taken before the junior year. French, German, or Russian are recommended to fulfill a foreign language requirement.

An honors program consisting of independent research leading to the preparation of a thesis is offered to qualified students for eight credits during the senior year.

Chemistry 111-112—General Chemistry.

A course designed to introduce the student to the fundamental principles of chemistry and the more important elements and their compounds. One three-hour and three single periods a week. Eight credits.

Chemistry 211, 212—Organic Chemistry.

A study of the chemistry of carbon compounds on the basis of structural theory. One three-hour and three single periods a week. Four credits each semester.

Chemistry 251, 252—Analytical Chemistry.

Prerequisite or corequisite: Mathematics 111. The first semester consists of an elaboration of the principles of chemistry with particular emphasis on chemical equilibrium. In the accompanying qualitative analysis laboratory, semi-micro techniques are employed. The second semester consists of the theory and techniques of volumetric, gravimetric, and introductory instrumental analysis. Two single and two three-hour periods a week. Four credits each semester.

*On leave 1970-71.

**COURSE
OFFERINGS**
Chemistry

Chemistry 317, 318—*Biochemistry.*

Prerequisite: Chemistry 212. The application of chemical principles to the study of living cells and organisms. The laboratory deals with selected research techniques. Three lectures and three laboratory hours a week. Four credits each semester.

Chemistry 333—*Advanced Analytical Chemistry I.*

Prerequisites: Chemistry 251, 252. A study of advanced volumetric and gravimetric analytical techniques with emphasis on electrochemical and optical methods of analysis. One single and two three-hour periods a week. First semester. Four credits.

Chemistry 343, 344—*Advanced Inorganic Chemistry.*

The study of modern theories of atomic structure and chemical bonding and their application to molecular structure, coordination chemistry, and metallic structure. Three single periods a week. Three credits each semester.

Chemistry 393, 394—*Physical Chemistry.*

Prerequisites: Physics 151-152, Chemistry 251, 252. A study of the thermodynamic, kinetic, statistical, and quantum mechanical properties of chemical systems. The laboratory portion of the course will deal with physiochemical determinations and the statistical treatment of experimental results. Three single and two three-hour periods a week. Five credits each semester.

Chemistry 411—*Advanced Organic Chemistry.*

Prerequisite: Chemistry 212. The study of organic reaction mechanisms and the relation of molecular structure to physical and chemical properties. Three single periods a week. First semester. Three credits.

Chemistry 414—*Identification of Organic Compounds.*

Prerequisite: Chemistry 212. A study of the use of chemical and spectroscopic methods in the qualitative analysis of organic compounds. One single and two three-hour periods a week. Second semester. Three credits.

Chemistry 434—*Advanced Analytical Chemistry II.*

Prerequisite or corequisite: Chemistry 394. A study of the theory and application of modern analytical methods as applied to the solution of structural and mechanistic problems. Topics include spectrochemical and electrochemical analysis, mass spectrometry, chemical separations, and computer data processing. One four-hour and three single periods a week. Second semester. Four credits.

Chemistry 451, 452+—*Seminar.*

Student preparation of reports on selected topics in chemistry for oral presentation and discussion. One hour a week. Required of all chemistry majors in senior year. Others admitted by permission of the chemistry department. One credit each semester.

Chemistry 455, 456— *Special Problems in Chemistry.*

A program of independent investigation under the direction of a member of the staff. Open to qualified students with the permission of the department. From one to four credits per semester depending upon the quantity of work planned.

Chemistry 493— *Advanced Physical Chemistry.*

Prerequisite: Chemistry 394. An advanced treatment of selected topics in thermodynamics, kinetics, photochemistry, and quantum chemistry. Three single periods a week. First semester. Three credits.

CLASSICS/ *Professor* LAURA V. SUMNER, Chariman; *Assistant Professors* JONES, SHERWOOD.

The Department of Classics offers a major program in Latin. The interdepartmental major in Classical Civilization is also closely allied to the work in the department.

Students who select a major program in Latin must take thirty-six credits in Latin and related subjects. All students are required to take Latin 351, Advanced Latin Grammar. A student who plans to attend graduate school is expected to take Greek and should plan for it early enough in her program to allow at least two years to be taken. The thirty-six hours are to be distributed in the following manner:

For students who enter college with three or four units of high school Latin:

1. Twenty-five credits in Latin selected from the 300 and 400 levels, including Latin 351.
2. In related fields, twelve credits to be selected in consultation with her major adviser.

For students who enter college with one or two units of high school Latin:

1. Twenty-five credits in Latin, not including Latin 113-114, with at least eighteen credits selected from the 300 and 400 levels, including Latin 351.
2. In related fields, twelve credits to be selected in consultation with her major adviser.

For students who start Latin in college:

1. Twenty-five credits, not including Latin 111-112, with at least twelve credits in Latin selected from the 300 and 400 level, including Latin 351.
2. In related fields, twelve credits to be selected in consultation with her major adviser.

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**COURSE
OFFERINGS**
Classics

Greek

Greek 131-132— *Elementary Greek.*

Grammar; composition; Nairn and Nairn *Greek through Reading*. Three periods a week. Six credits.

Greek 133-134— *Intermediate Greek.*

Prerequisite: Greek 131-132 or two years of high school credit. Composition in North and Hillard *Greek Prose Composition*; reading of Thucydides, *Athenian Disaster in Sicily*; Plato, *Apology*; Homer, *Odyssey* Book 9. Three periods a week. Six credits.

The following courses are offered whenever there is sufficient demand.

Greek 231-232—

Prerequisite: Greek 133-134. Herodotus, *Histories* Book 6 (selections); Homer, *Iliad* Book 1; Thucydides, Book 2 (selections); composition. Three periods a week. Six credits.

Greek 331-332—

Prerequisite: Greek 231-232. Aeschylus, *Agamemnon*; Aristotle, *Ethics* (selections); Demosthenes, *First Phillipic* (selections). Three periods a week. Six credits.

Greek 431-432—

Prerequisite: Greek 231-232. Plato, *Republic* Books 1-2, 6-7. Three periods a week. Six credits.

Latin

Latin 111-112— *Elementary Latin.*

For students who enter college with no training in Latin or with fewer than two units in high school Latin. The essentials of Latin grammar and composition; translations from Caesar and other writers. Three periods a week. Six credits.

Latin 113, 114— *Intermediate Latin.*

Prerequisite: Latin 111-112 or two units of high school Latin. Readings from Cicero (orations, letters, essays), Pliny, and later writers; Virgil's *Aeneid* (Books I-VI); forms and syntax. Three periods a week. Three credits each semester.

Latin 211, 212— *Survey of Latin Literature.*

Prerequisite: Latin 113-114 or four units of high school Latin. Students who have three units of high school Latin should consult the chairman of the department before registering for any Latin course. A survey of the great periods of Latin literature with readings from the representative works in drama, poetry, history, and letters. Three periods a week. Three credits each semester.

Latin 213, 214—*Medieval Latin.*

Prerequisite: Latin 113-114 or comparable high school preparation. May be elected as 300 level course with approval of professor and chairman of department. Three periods a week. Three or six credits. (Not offered in 1971-72).

Latin 311—*Roman Drama.*

Prerequisite: Latin 211-212. A study of the Roman theatre, Plautus, Terence, and Seneca. Three periods a week. First semester. Three credits. (Not offered in 1971-72).

Latin 312—*Roman Satire.*

Prerequisite: Latin 211-212. The development of satire in Latin literature. Lucilius, Horace, Phaedrus, Seneca, Petronius, Persius, Martial, Juvenal. Three periods a week. Second semester. Three credits. (Not offered in 1971-72).

Latin 315—*Roman Historians.*

Prerequisite: Latin 211-212. Roman historical writing. Sallust, Caesar, Livy, Tacitus. Three periods a week. First semester. Three credits. (Not offered in 1971-72).

Latin 316—*Epic Poetry.*

Prerequisite: Latin 211-212. Three developments of the epic in Latin. Lucretius, Vergil, Lucan. Three periods a week. Second semester. Three credits.

Latin 351, 352—

Advanced Latin Grammar and Prose Composition. May be elected for one credit each semester. Required for all majors.

Latin 411—*The Ciceronian Age.*

Prerequisite: Latin 211-212. Roman life and letters in the last years of the Roman Republic. Cicero, Caesar, Catullus, Lucretius, Livy. Three periods a week. First semester. Three credits.

Latin 412—*The Silver Age of Latin Literature.*

Prerequisite: Latin 211-212. A study of the writers of the first and second centuries A.D. Special attention is given to Pliny the Younger, Quintilian, Statius, and Apuleius. Three periods a week. Second Semester. Three credits. (Not offered in 1971-72).

Latin 451, 452—*Special studies in Latin Literature.*

This course will offer an opportunity for reading and study of an independent nature. The subject matter will be worked out in advance by the faculty member in charge for a given semester in consultation with the students. Open only to junior and senior major students (or to other qualified advanced students) who have completed Latin 211-212 and at least one course at a 300 or 400 level. Three credits each semester. May be elected for as many as six succeeding semesters.

Latin 491, 492—Independent Study.

A junior or senior major, in consultation with and with permission of her adviser and the Chairman of the Department may elect up to six hours of Independent Study.

Classical Civilization

Classics 201—Greek Literature in Translation.

No prerequisite. Reading in English translation from the major Greek writers from Homer through the Greek writers of the Roman period. This course cannot be used to fulfill the language requirement. Three periods a week. Three credits.

Classics 202—Latin Literature in Translation.

No prerequisite. Readings in English translation from the major Latin writers. This course cannot be used to fulfill the language requirements. Three periods a week. Three credits.

Classics 231—Greek Civilization.

(May be elected as History 231.) See History Department listing. Three periods a week. Three credits.

Classics 232—Roman Civilization.

(May be elected as History 232.) See History Department listing. Three periods a week. Three credits.

Classics 301—Mythology.

No prerequisite. A study of the principal myths in classical writers with emphasis on their influence on literature and art in contemporary and later periods. This course cannot be used to fulfill the language requirement. Three hours a week. Three credits.

Classics 385—Greek Art and Archaeology.

No prerequisite. A survey of archaeology in Greece and a general study of archaeological methods. A study of Aegean and Greek sculpture, painting, architectural, and minor arts from the prehistoric periods through the Hellenistic age. Three periods a week. Three credits.

Classics 386—Roman Art and Archaeology.

No prerequisite. A survey of Roman archaeology and a general study of archaeological methods. A study of Italic, Etruscan, and Roman sculpture, painting, architecture, and minor arts from earliest times through the late Roman empire. Three periods a week. Three credits.

Classics 401, 402—Special Studies in Classical Archaeology.

Prerequisites: Classics (Art) 385 and 386; some knowledge of Latin and/or Greek. Work of the first semester will concentrate on modern archaeological techniques; preservation and restoration of finds; introduction to Greek

and Roman epigraphy. Second semester work will concentrate on Greek and Roman numismatics; special studies in Greek and Roman pottery; the problems of artifacts and minor arts. Permission of the instructor required. Two periods a week. Two credits each semester.

DRAMATIC ARTS AND SPEECH/*Associate Professor* ALBERT G. DUKE, Acting Chairman; *Associate Professor* TURGEON; *Assistant Professor* BETHEA;*** *Instructors* HOWARD, WRIGHT.**

The major program in dramatic arts and speech requires thirty-six credit hours selected from courses in this department, but as many as twelve hours may be selected in related fields. All courses in drama and speech are applicable to the dramatic arts major except Speech 251, 252, Speech Fundamentals laboratory. Related fields should be selected from the areas of language, literature, history, social science, science, art, music, psychology, or philosophy in consultation with the student's adviser.

A major program in speech pathology and audiology is offered in cooperation with the University of Virginia (See page 93.)

Dramatic Arts 211, 212—*World Drama.*

A study of selected plays and theatrical developments in ancient and modern civilizations. Theatre excursions may be arranged. Three periods a week. Three credits each semester.

Dramatic Arts 311, 312—*Stagecraft.*

Construction and design of play production, including theatre design, staging, lighting, and sound effects, with practical application in College Theatre. One single and two double periods a week. Three credits each semester.

Dramatic Arts 321, 322—*Acting.*

General principles of acting; elementary work in voice and pantomime; development and characterization; advanced problems in rehearsal and public performance. Two one-and-one half periods a week. Three credits each semester.

Dramatic Arts 331, 332—*Playwriting.*

The writing of long and short plays or television scripts. Consideration of character development, plot structure, dialogue, and critical analysis. Three periods a week. Three credits each semester. (Offered in alternate years; offered in 1971-72).

**First semester, 1970-71

***Second semester, 1970-71

COURSE
OFFERINGS
*Dramatic Arts
and
Speech*

**COURSE
OFFERINGS*****Dramatic Arts
and
Speech*****Dramatic Arts 341—*History of the Costume.***

History and design of stage costuming. Three periods a week for the first semester. Three credits. (Offered in alternate years; not offered in 1971-72.)

Dramatic Arts 361, 362—*History of the Theatre.*

A study of theatre history from the classical Greek to the present, including the place of the theatre in the social, cultural, and philosophical framework of the period. Theatre design, conventions, the actor and audience related to the literature of the theatre. Three periods a week. Three credits each semester.

Dramatic Arts 371—*Oriental Theatre.*

A study of the dramatic literature, theatre and dance of the Orient. Analysis of the plays in the Classic Chinese, Indian, and Japanese theatres, within their artistic and historical settings. Analysis of the conventions and styles of the theatre and dance of the East. Three periods each week for the first semester. Three credits. (Offered in alternate years; not offered in 1971-72).

Dramatic Arts 381—*Art of Film.*

A survey of the major films from those of George Molies to the contemporary cinema. Films are shown and discussed in class, readings in film theory and critical analysis are assigned. Three credits.

Dramatic Arts 382—*Film Production.*

The art of film is explored by active participation in it. Each student is expected to contribute to the creation of a film as a screenwriter, director, cinematographer, or editor. Three credits.

Dramatic Arts 431, 432—*Directing.*

History, technique, and practice of directing the long and short play. Problems of high school, college, and community theatre. Three periods a week. Three credits each semester.

Dramatic Arts 441—*Dramatic Criticism.*

Analysis of dramatic criticism from Aristotle to the present. Application to representative plays. Three periods a week for the first semester. Three credits. (Offered in alternate years; offered in 1971-72).

Dramatic Arts 443—*Children's Theatre.*

Staging and production of plays for children. Dramatization of original and adapted literature. Creative dramatics. Three periods a week. Three credits. (Offered in alternate years; offered in 1971-72.)

Dramatic Arts 451, 452—*Special Studies in Speech and Dramatic Arts.*

Open to all Dramatic Arts and Speech majors and otherwise qualified students of junior and senior status who desire special studies in the area of speech or dramatic arts. The emphasis will be upon either intensive reading in the field of speech or drama or creative application of advanced dramatic arts or speech theories. By permission of the department.

Dramatic Arts 461—*Seminar in Dramatic Arts*

Selected readings, oral presentation, and discussion. Two one-and-one half periods a week. Three credits.

Dramatic Arts 491, 492, 493, 494—*Independent Study*.

Individual study under the direction of a member of the staff. Three to six credits per semester. By permission of the Department.

Speech 231, 232—*Oral Interpretation*.

A study of the fundamentals of voice production and clarity of diction as an aid to effective communication. Interpretation of prose, poetry, and dramatic literature in terms of its intellectual, emotional, and aesthetic content. Three periods a week. Three credits each semester.

Speech 251, 252 +—*Speech Fundamentals Laboratory*.

A functional course in reading and speaking, affording practice in basic speech skills. Emphasis is placed on individual speech problems and on the improvement of vocal delivery. Not credited toward a major in Dramatic Arts and Speech. No credit if Speech 231, 232 is taken for credit. One period a week. One credit each semester.

Speech 301—*Group Discussion*.

A study of the philosophy and practice of group discussion as a means of problem-solving and the exercise of group leadership. Three periods a week. Three credits each semester. (Offered in alternate years; offered in 1971-72.)

Speech 302—*Public Speaking*.

A study of the art of public speaking, the organization and delivery of speeches of various types, and an examination of the history and theories of rhetoric. Three periods a week. Three credits each semester. (Offered in alternate years; offered in 1971-72.)

Speech 421—*Voice Science*.

A study of the anatomical, physiological, and neurological functioning of the speech and hearing mechanisms and speech problems resulting from the impairment of these systems. Three periods a week. Three credits each semester. (Offered in alternate years; not offered in 1971-72.)

Speech 422—*Phonetics*.

A study of American dialects and standards of speech employing the International Phonetic Alphabet. Three periods a week. Three credits each semester. (Offered in alternate years; not offered in 1971-72.)

See also Cooperative Program in Speech Pathology and Audiology, page 93.

Dance 235-236—*Dance Movement for the Theatre*.

Prerequisite: two credits of modern dance or proficiency. A study of movement as an instrument of communication in dramatic production through creative projects in the theatre involving the interrelation of movement with mime, gesture, space, rhythm, and expression. Two double periods a week. See course listing under department of Health, Physical Education and Recreation for years in which course is offered. Four credits.

**COURSE
OFFERINGS**
*Dramatic Arts
and
Speech*

ECONOMICS AND POLITICAL SCIENCE/*Professor* LEWIS P. FICKETT, JR., Chairman; *Professors* HEWETSON, R. E. SUMNER; *Associate Professor* MILLER; *Assistant Professor* FINGERHUT, *Instructors* ALBERTINE, WHISLER; ** *Visiting Lecturers* CLATANOFF, *** HAZLETON, *** KRAMER, *** KRICKUS.

Economics

A major program in Economics requires the completion of thirty-six credit hours. At least twenty-four of these hours must be in Economics courses other than Economics 201-202, Principles of Economics. Of the twenty-four hours, Economics 321, Money and Banking; Economics 361, Quantitative Economics; Economics 371, Microeconomics; and either Economics 322, a continuation of Money and Banking, or Economics 372, Macroeconomics, are required. The remaining twelve hours may be selected from additional courses in Economics or other social sciences as approved.

Economics 201-202—Principles of Economics.

A study of facts and fundamental principles relating to the production, exchange, distribution, and consumption of goods and services for the satisfaction of human wants, including some consideration of basic economic institutions and systems. Three periods a week. Six credits.

Economics 211, 212—Anti-Trust Policy

The application of micro-economic analysis to the problems of business organizations. Three periods a week. Three credits each semester.

Economics 221, 222—Introductory Accounting.

A study of the fundamental accounting principles and practices involved in the recording and interpretation of accounting data. Three periods a week. Three credits each semester.

Economics 321, 322—Money and Banking.

Prerequisite: Economics 201-202. Theory of money and credit, banking organization and practices, foreign exchange, international movement of capital, and the financial aspects of business cycles. Three periods a week. Three credits each semester.

Economics 341, 342—Government Finance.

Prerequisite: Economics 201-202. Expenditures and revenues of federal, state, and local governments, the problems of shifting and incidence of taxes; the public debt and fiscal administration. Three periods a week. Three credits each semester.

Economics 351-352—Labor Economics.

A study of manpower, the labor force, and the organized labor movement. Three credits each semester.

**First semester, 1970-71.

***Second semester, 1970-71.

Economics 361, 362—*Quantitative Economics.*

An introduction to some of the mathematical and statistical concepts as are necessary in advanced economics and econometrics. Three credits each semester.

Economics 371—*Microeconomics.*

Prerequisite: Economics 201-202. Analysis of the firm and the household and their interactions, involving cost, utility, price, wage, interest, rent, and profit theory. Three periods a week for first semester. Three credits.

Economics 372—*Macroeconomics.*

Prerequisite: Economics 201-202. National income accounts and aggregate economic analysis. Three periods a week for second semester. Three credits.

Economics 391—*Comparative Economic Systems.*

Prerequisite: Economics 201-202. The nature of capitalism, socialism, communism, and fascism and the state of economic society in the various areas of the world. Three periods a week for first semester. Three credits.

Economics 392—*Economic Development.*

Prerequisite: Economics 201-202. An examination of the problems of accelerating economic development in poor countries and maintaining development in rich countries. This study will progress from the viewpoints of theory, history and policy in attempting to explain the forces that give long period growing power to an economy. Three credits.

Economics 401-402—*International Economics.*

Prerequisite: Economics 201-202. World economic resources, international trade, and economic problems in international relationships. Three periods a week. Three credits each semester.

Economics 441-442—*History of Economic Thought.*

Prerequisite: Economics 201-202. Survey of ancient and medieval economic thought; the Physiocrats and the mercantilists; the classical and neo-classical economics; and trends in economic thought since the middle of the nineteenth century. Three periods a week. Three credits each semester.

Economics 471-472—*Independent Study in Economics.*

Directed individual research on an approved problem in economics. Three credits.

Political Science

For a major in Political Science the requirements are twenty-four credits in political science and twelve credits in related subjects, in addition to six hours in Political Science 201, 202. The major program must include Political Science 301, 302, and two of the following theory courses: 441, 442, and 443. The related subjects may be selected from additional courses in Political Science or other social sciences as approved.

**COURSE
OFFERINGS**
*Economics
and
Political
Science*

Political Science 201, 202—*American Government.*

The principles of political science as applied to American national government, state governments, and local government. Six credits.

Political Science 211—*Congress and the Political Process.*

An analysis of the legislative process in the United States, focused on the contemporary role of Congress in its relation with the Presidency, the federal bureaucracy, and pressure groups. Three periods a week for the first semester. Three credits.

Political Science 212—*The American Presidency.*

An analysis of a fluid institution in a going political system. Stress will be placed on the evolution of the modern presidency and its relationship to democratic theory. Three periods a week for the second semester. Three credits.

Political Science 301—*Comparative Government I.*

A comparative analysis of the governments of the United Kingdom, France, and West Germany. First semester. Three credits.

Political Science 302—*Comparative Government II.*

A comparative analysis of the governments of the Soviet Union and Eastern Europe. Second semester. Three credits.

Political Science 304—*Problems in Contemporary American Politics.*

An in-depth analysis of selected problems in contemporary American politics. The course will be conducted as a seminar with emphasis on independent student research. Permission of the instructor is required for admission. Three periods a week. Three credits.

Political Science 311, 312—*Public Administration.*

The administrative aspects of government, problems of organization, fiscal control, administrative control, and a study of employment relations with personnel administration. Three periods a week. Six credits.

Political Science 321—*Theory of International Politics.*

An analysis of contemporary theory in international politics, including an evaluation of the United Nations and other international organizations. First semester. Three credits.

Political Science 322—*Problems in International Politics.*

A continuation of 321, focusing on the major contemporary problems in international politics such as Vietnam, the Middle East, European integration, and the Cold War. Second semester. Three credits.

Political Science 332—*Metropolitan Problems.*

An analytical study of the problems of American cities and other local areas. Three credits.

Political Science 334—*Political Parties.*

The structure and functions of political parties; the conduct of elections; pressure groups. Three credits.

Political Science 341, 342—*Government Finance.*

Same as Economics 341, 342—Government Finance. Expenditures and revenues of federal, state, and local governments, the problems of taxes, the public debt and fiscal administration. Three periods a week. Six credits.

Political Science 351, 352—*Political Problems of Latin America.*

A comparative analysis of the problems of political development confronting the nations of Latin America. Appropriate consideration will be given to the closely related problems of general development. Three periods a week for both semesters. Three credits each semester.

Political Science 353—*Politics of Middle and Southern Africa.*

The development of nationalism, the drives for independence, and the problems and politics of nation-building of the newly-independent sub-Saharan states. The politics of the white-controlled areas of southern Africa. Regional groupings. Pan-Africanism and other international aspects of African politics. Three credits.

Political Science 354—*Politics of South and Southeast Asia.*

A study of the political development of India, Pakistan, Thailand, Laos, Cambodia and the Vietnams. Problems in the economic development of these nations will be analyzed as related. Three credits.

Political Science 355—*Politics of North Africa and the Middle East.*

A study of the political development of the nations of North Africa and the Middle East. Emphasis will be given to the development of new political institutions in these areas. Three credits.

Political Science 356—*American Foreign Policy.*

Problems facing the United States in its search for national security and international stability and progress; emphasis on our foreign policy since World War II. Three credits.

Political Science 361—*Problems of Communism.*

A study of the origins, development and contemporary aspects of world Communism. The evolution of "communist" thought: Marx, Engels, Lenin, Stalin, Mao, and post-Stalin Communist writings. The history and development of Communism as a political movement. The Soviet and Chinese experiences. Communism in the non-Western world. The Sino-Soviet conflict, Eastern Europe and other major features and issues of contemporary world communism. Three credits.

Political Science 422—*American Civil Liberties.*

An intensive analysis of civil liberties in the United States, based primarily upon decisions of the Supreme Court. Three credits.

COURSE OFFERINGS

Economics and Political Science

Political Science 441—*History of Political Thought I.*

An examination of the contributions to political thought of the great political theorists from Plato to Burke. Three credits.

Political Science 442—*History of Political Thought II.*

A continuation of Political Science 441 dealing with Liberalism, Communism, Socialism, Fascism. Three credits.

Political Science 443—*Modern Political Analysis.*

A study of the theories and applications of modern political analysis. Emphasis will be placed upon the behavioral approach to politics. Three credits.

Political Science 462—*Geopolitics.*

An examination and evaluation of geographic factors affecting world power struggles and international relations. Three periods a week. Three credits. (Same as Geography 462.)

Political Science 481—*Independent Study in Political Science.*

Directed individual research on approved problems in political science. Three credits.

Political Science 491—*Problems in Political Economy.*

Open to all political science majors and otherwise qualified students of junior and senior status who desire to become more familiar with the literature of political science in a field selected by the instructor after consultation with the students. Approval of instructor is required. The emphasis is on intensive reading with group discussions of the selections read. Three periods a week. Three credits.

Political Economy and Public Affairs

A major program in Political Economy and Public Affairs requires the student to take Economics 201-202, Principles of Economics, and Political Science 201-202, American Government. In addition to the above courses, the student must take fifteen credit hours in Economics and fifteen credit hours in Political Science selected from courses offered by the Department. These courses are to be chosen so as to provide the student with a foundation in either domestic or international public affairs.

EDUCATION/Associate Professor PAUL SLAYTON, Chairman; Professor ALVEY; Associate Professor MERCHANT; Assistant Professors HOLMES, HOOK, SHAUGHNESSY.

As a liberal arts institution, Mary Washington College is committed to the preparation of elementary and secondary teachers

of the liberal disciplines. The courses necessary for obtaining certification as a teacher in either elementary or secondary schools are available as electives to students at Mary Washington College. These courses are designed primarily to meet certification requirements for teaching in Virginia.

To fulfill the graduation requirements of the college and the certification requirements for the state, the faculty adviser and the student should plan the four-year academic program with care. Where it is possible, college and certification requirements should be overlapped to avoid amassing a surplus of credit hours.

Certification Requirements For Grades One Through Seven.

To be certified for the elementary grades, the student must complete course requirements in three areas: general education, professional education, and academic major.

General Education

Must possess a baccalaureate degree with a background of 48 semester hours in general education, including a minimum of:

	Semester Hours
I. English	18
*Composition or exemption	3
*Linguistics	3
II. Social Sciences	
*American history	3
*Economics	3
*General psychology	6
*Geography	3
III. Mathematics	6
IV. Laboratory science	8
V. Art and Music	6
VI. *Health Education	2
VII. Physical Education	4

*Indicates specific course required

Professional Education

	Semester Hours
I. Psychology	6
*Developmental Psych: Child Development 3	
*Developmental Psych: Adolescent Dvlpmt. 3	

*Indicates specific course required

COURSE OFFERINGS

Education

- II. *Teaching in the Elementary School.....3
- *Teaching of Reading.....3
- III. Education 440: Supervised Teaching.....6
- (see Supervised Teaching, page 131.)

Certification Requirements For Secondary School Subjects.

To meet requirements to teach a subject in the secondary school, students must complete work in general education, in professional education, and in the subject to be taught.

General Education

	Semester Hours
I. Humanities.....	12
*English composition or exemption.....	3
and the balance from any of the following fields: foreign language, literature, speech, fine arts, music, or philosophy.	
II. Social Sciences.....	12
*American history.....	3
*General psychology.....	6
Balance from any of the following fields: history, sociology, economics, political science, geography, or psychology.	
III. Laboratory science and mathematics.....	12
(at least one course in each area)	
IV. *Health education.....	2
V. Physical education.....	2

Professional Education

	Semester Hours
I. Psychology.....	3
*Developmental Psych: Adolescent Dvlpmnt. .3	
II. 300-level education course appropriate to subject area (to be taken during junior year)	
III. Education 420, Foundations of Secondary Education	3
IV. Education 440, Supervised Teaching.....	6
(see Supervised Teaching, page 131.)	

*Indicates specific course required.

Areas of Specialization

The minimum hours required in the subject taught on the secondary level are itemized below and may include any hours that have been included in the general education requirements. However, a student should major in the subject she wishes to teach so that an adequate depth and background are assured. Student teaching in the secondary school will be permitted only in the student's major subject.

Art30

Distribution in art courses as follows:

- a. Design, drawing, painting, graphics12
- b. Sculpture 6
- c. Ceramics and crafts..... 6
- d. History and Appreciation of Art 6

English.....30

Shall include courses in English literature, American literature, and linguistics. Should include also a course in advanced composition and writing.

COURSE OFFERINGS

Education



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**COURSE
OFFERINGS**
Education

	Semester hours
Dramatics	12
Speech	12
Foreign Language.....	30
<p>Shall include thirty semester hours of language and literature including the beginning, intermediate, and other courses which may have been taken prior to college study. (Note: For endorsement in a second foreign language the student must present twenty-four hours of credit in that language.)</p>	
Latin.....	24
<p>(NOTE: For endorsement in Latin as a second language or in addition to English the applicant must present eighteen semester hours of Latin language and literature, including the beginning, intermediate, and other courses which may have been taken prior to college study.)</p>	
Mathematics	
a. All High School Mathematics.....	27
<p>(NOTE: Shall include a course in analytic geometry and calculus and should include courses in modern algebra, geometry, probability, and/or statistics.)</p>	
b. Teachers of Mathematics (Pre-Algebra).....	16
<p>(eighth and ninth grade arithmetic, consumer mathematics, basic mathematics, and business mathematics)</p>	
Music	36
a. Performance	18
b. Basic Musical Knowledge	18
 History and the Social Sciences	 42
<p>The credit shall be distributed as follows:</p>	
a. History	18
b. Government	12
c. Economics	6
d. Geography	6
<p>To teach a specific social science subject, the student must complete the following minimums:</p>	
a. History (selected from not less than two of the following: American history, ancient history, and contemporary affairs).....	24
b. Economics.....	18
c. Geography.....	18
d. Political Science.....	18
e. Sociology	18

NOTE: An applicant for a separate endorsement in history, geography, government or sociology must complete a course in basic economics.

Science

- a. Biology24
Shall include a laboratory course in introductory biology. In addition a year's course in organic chemistry, physics, and mathematics should be completed.
- b. Chemistry24
Shall include courses in general principles and organic, analytical, and physical chemistry. In addition a year's course in biology, physics and mathematics should be completed.
- c. Earth Science24
Shall include a year's course in general college geology and a semester's course in each of two of the following: astronomy, meteorology, oceanography and physical geography.
- d. General Science24
The student must present credit in at least three science fields: biology, chemistry, physics or earth science.
- e. Physics.....20
Physics, alternate endorsement.....16
(All persons with a college major in astronomy or with endorsement in biology, chemistry, or mathematics (all high school subjects) shall be endorsed in physics with sixteen semester hours in physics, eight semester hours of which must be in courses above the introductory level which use calculus.)

Qualified applicants may wish to enter the Internship Program for Prospective Teachers leading to the Master of Arts in Teaching degree offered by the University of Virginia. (See description of the program on page 95).

Education 205— *Children's Literature.*

A study of the various sections of children's literature—fables; myths; folk and hero stories; poetry. Open to juniors and seniors only. For elective credit only. Three credits.

Education 312— *Teaching in the Elementary School.*

The purposes and organization of the elementary school and its curriculum; subject content and instructional methods related to child growth and development with emphasis on the teaching of subject disciplines, classroom management and evaluation of pupil progress. Three credits.

COURSE
OFFERINGS
Education

Education 320—*Teaching Reading in the Elementary School.*

A specialized course in the principles and techniques for teaching reading. Major emphasis will be upon the patterns of language development, the structure of the language, the relationship of oral to written communication, and the tools available to the teacher in furthering the general language development of youth. Three credits.

Education 332—*The Teaching of Foreign Languages.*

The principles and techniques of teaching modern and classical languages in the secondary school. Some important areas developed are: selecting materials of instruction in foreign languages, planning and guiding learning experiences, and appraising the results of the teaching-learning process. Three credits.

Education 342—*Seminar in Art Education.*

Designed for students who expect to teach art, but open to other art majors. Study of the scope and place of the visual arts in the world today; of adult and child attitudes and aptitudes; the development of a philosophy toward creative work, some practice in organizing a flexible and workable program for future teaching or study. Three credits.

Education 352—*The Teaching of Mathematics.*

Consideration of principles and techniques of teaching and materials of instruction for teaching mathematics in the secondary school. Some important areas developed are: planning and guiding learning experience in mathematics and appraising the results of the teaching-learning process. Three credits.

Education 362—*The Teaching of Music.*

(See Music 311-312 in the listing of courses of the Music Department.) Completion of this course suffices to fill the teaching of subject requirement for certification purposes. Three credits.

Education 372—*The Teaching of the Social Sciences.*

The purposes and organization of the secondary social science curriculum; subject matter content and instructional methods in the various social sciences. Some important areas developed are: planning and guiding learning experiences in social science and appraising the results of the teaching-learning process. Three credits.

Education 382—*The Teaching of the Sciences.*

The purposes and organization of the secondary science curriculum; subject matter content and instructional methods in the various sciences. Some important areas developed are: planning and guiding learning experiences in science and appraising the results of the teaching-learning process. Three credits.

Education 392—*The Teaching of English, Speech & Dramatics.*

The purposes and organization of the secondary language arts curricula; subject matter content and instructional methods related to the development of language skills and tastes during the adolescent years. Consideration of principles, techniques, and materials of instruction for teaching English, Speech, and Dramatics in the Secondary school. Three credits.

Education 420— *Foundations of Secondary Education.*

(To be taken concurrently with Education 440.) An analysis of the role of education in the United States. Major emphasis in this course are the surveys of the contributions of the foundation disciplines to theory and practice in American schools; history of education, sociology, philosophy, and psychology of learning. Three credits.

Education 440— *Supervised Teaching.*

Prerequisite: appropriate three-hundred level course in education. Orientation to teaching under direction of supervisors in public elementary and secondary schools in three different geographic localities: the Richmond area, the Fredericksburg area, and the Northern Virginia area. Includes practical experience in the classroom, laboratory, and field activities, as well as other aspects of the total school program. Other regulations governing acceptance into supervised teaching are found below. Offered each semester. Six credits. (See page 31 for information concerning fees during off-campus student teaching assignment.)

Supervised Teaching

Facilities for student teaching in both elementary and secondary schools are available in three localities: the Richmond area, the Fredericksburg area, and the Northern Virginia area. Under the cooperative arrangements in effect, students in their senior year are assigned to specific classes for observation, participation, and teaching responsibilities under the guidance and supervision of experienced teachers. Supervised teaching is available in the high school academic subjects and in the elementary grades, as well as in art and music.

Students seeking certification should reserve one semester of the senior year primarily for student teaching. During that semester the student should enroll for Education 440, Student Teaching. A total of twelve hours will be considered a normal load of courses during the student teaching semester; therefore, only two other courses may be taken during the period the student is enrolled in Education 440. (For student teachers choosing assignment in the Richmond and Northern Virginia areas, the Education 420 course will be taught in those areas by members of the Mary Washington College Department of Education. Arrangements for the additional course may be made through colleges in those areas.)

For assignment to supervised teaching, students must meet the eligibility requirements, which include (a) senior status; (b) an average of at least "C" in general and in the major field; and (c) aptitude for the profession. Secondary school teachers must major in the subject they plan to teach as well as meet the above requirements. Enrollment is by permission of the Department of

Education and is contingent on the availability of space in the cooperating school divisions. Transportation to and from the cooperating school is the responsibility of the student. Students applying for positions in supervised teaching should submit the appropriate application forms to the Department of Education by May 1 of their junior year at Mary Washington College for assignments the following session.

ENGLISH/*Associate Professor* DONALD E. GLOVER, Chairman; *Professors* CROUSHORE, B. W. EARLY, GRIFFITH, W. B. KELLY, S. H. MITCHELL, SIMPSON, D. H. WOODWARD; *Associate Professors* BROWN, FLEMING, N. H. MITCHELL; *Assistant Professors* CARRUTHERS, DERVIN, HANNA, HANSEN, KEMP, NADEAU, SINGH; *Instructors* M. S. EARLY,† FELLOWES,* LUTTERBIE,* SMITH, WINSTON; *Lecturer* M. WHIDDEN.**

Students choosing to major in English must take at least twenty-four credits in English courses numbered 300 or higher and twelve credits in related fields, in addition to the six hours of English that may be used to fulfill the basic degree requirements. The twenty-four hours in advanced English courses must include six hours in courses numbered 300 to 326; six hours in courses numbered 335 to 376; six hours in 400 courses.

In their senior year majors are required to pass a written examination in English and American literature in order to complete their major program. This comprehensive examination is designed to encourage majors to assimilate material from classes, independent study, and personal reading and to offer them an opportunity to display a comprehensive knowledge of literary trends and theories. A copy of sample questions is in the Reserve Room in the Library, and departmental advisers can provide additional information on request.

A distinguished performance on the comprehensive examination, in addition to a high level of achievement in the major program, will entitle majors to be graduated with "Honors in English."

It is recommended that English majors who plan to do graduate work take two foreign languages, preferably French and German.

The twelve credits of related study are to be selected, with the approval of the student's adviser, from among the courses numbered

*On leave 1970-71.

**First semester 1970-71.

†On leave first semester 1970-71.

200 or higher in the following departments; six credits must be offered from a single department; the remaining six must be offered from one or more other departments:

Art (courses in Art History)

Classics

Dramatic Arts (courses in dramatic literature)

History

Languages

Liberal Arts Seminar

Music (courses in the history and literature of music)

Psychology (Psycholinguistics only)

Religion (including Religion 101, 102)

English 101—*Writing Clinic.*

Instruction, group and tutorial, in the mechanics of writing and the accurate use of language. Emphasis is upon punctuation and usage, sentence structure, paragraph coherence, and theme organization. Designed to assist students to meet the requirement of the College that each student demonstrate competence in English composition. No credit. Offered each semester.

English 201—*Composition.*

Study designed to assist students already competent in the fundamentals of composition to improve the style and effectiveness of their expository writing. Study of prose models and close analysis of student papers. Three credits.

English 206—*Introduction to Creative Writing.*

Study aimed at developing skill in creative writing. Individual assignments are adapted to the particular interests and levels of ability of the students. Three credits.

English 209—*(Non-fiction) Writing for the Mass Media.*

An historical survey of mass communication with emphasis on its role in contemporary society. Special consideration is given to the various techniques of news writing, editing, and editorial interpretation. Three credits.

English 211—*Survey of English Literature.*

Literary movements and types from Beowulf through the Eighteenth Century. Three credits for the first semester.

English 212—*Survey of English Literature.*

Literary movements and types from the Romantic movement to the present. Three credits for the second semester.

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COURSE
OFFERINGS

English

English 221—*Survey of American Literature.*

American backgrounds and literary movements and types from the colonial writers through Whitman. Three credits for the first semester.

English 222—*Survey of American Literature.*

American backgrounds and literary movement and types from Dickinson to the present. Three credits for the second semester.

English 231—*Short Fiction.*

A study of selected short stories and short novels. Three credits.

English 232—*The Novel.*

A study of the form, content, and development of selected novels. Three credits.

English 233—*Poetry.*

A close analysis of poetic form and content. Three credits.

English 234—*Shakespeare.*

A study of Shakespeare's achievement in selected plays and poems. Three credits. (No additional credit will be allowed for English 425, 426.)

English 235—*Tragedy.*

Tragedy as form and idea reflected in selected literary and dramatic works of world literature. Three credits.

English 236—*Comedy.*

A study of comic conventions in selected works of world literature. Three credits.

English 241—*Issues in Literature.*

Studies in significant literary figures, movements, topics. Three credits each semester.

English 301, 302 + —*Literary Criticism.*

A study of literary criticism from Plato to the present with emphasis on forms other than drama. Readings and class discussions will focus on both historical developments in literary theory and examples of critical practice and practical experience in criticism will be offered. Three credits each semester.

English 305—*The English Language.*

Structural and transformational grammars and their application to the English language. Three credits for the first semester.

English 308—*Medieval English Literature in Translation.*

A study of some of the major works and genres of Anglo-Saxon and Middle English literature, including lyric, heroic and romance narratives and drama. Knowledge of the languages is not required. Three credits for the first semester.

English 315, 316+—*The English Renaissance.*

The non-dramatic poetry and prose of the Elizabethan, Jacobean, and Caroline periods. Three credits each semester.

English 325, 326+—*Eighteenth Century Literature, 1660-1800.*

A study of the main types of literature in England from the Restoration through the eighteenth century, with particular attention to the development of neoclassical values and their decline and the rise of romanticism. Three credits each semester.

English 335, 336+—*Nineteenth Century English Literature.*

First semester, Romantic poetry and prose; second semester, Victorian poetry and prose. Three credits each semester.

English 355, 356+—*Nineteenth Century American Literature.*

First semester, literary romanticism in American prose and poetry; second semester, literary realism in American prose and poetry. Three credits each semester.

English 363—*Contemporary British and American Poetry.*

Studies in British and American poetry from 1930 to the present. Three credits for the first semester.

English 365, 366+—*Modern Literature.*

A comparative study of important European, British, and American authors from 1885 to the present. Three credits each semester.

English 375, 376+—*Special Studies.*

Studies in significant literary figures, movements, topics.

1971-1972 (1st semester) Afro-American Literature.

1971-1972 (2nd semester) Psychological Dimensions of Literature

1972-1973 (1st semester) Afro-American Literature.

Three credits each semester.

English 406—*Workshop in Writing.*

Practice in creative expression. Admission by consent of the instructor. Three credits for the first semester.

English 411—*Studies in the Drama.*

Major problems, movements, or figures in the drama. Three credits for the first semester.

COURSE
OFFERINGS
English

English 413—*Studies in Poetry.*

Major problems, movements, or figures in poetry. Three credits for the second semester.

English 415, 416+—*The Novel.*

Development of the novel in England and America. Three credits each semester.

English 417, 418+—*English Drama.*

The origin and development of drama from the Middle Ages. First semester, Middle Ages to the Restoration; second semester, the Restoration to the present. Three credits each semester.

English 422—*Chaucer.*

Chaucer's literary backgrounds and his major works. Three credits for the second semester.

English 425, 426+—*Shakespeare.*

Shakespeare's development as a dramatist. Three credits each semester.

English 436—*Seventeenth Century Studies.*

Intensive study of significant figures, movements, or problems in the literature of the seventeenth century. Three credits for the second semester.

English 445—*Eighteenth Century Studies.*

Intensive study of significant figures, movements, or problems in the literature of the eighteenth century. Three credits for the first semester.

English 455—*Nineteenth Century English Studies.*

Intensive study of significant figures, movements, or problems in nineteenth century English literature. Three credits for the first semester.

English 466—*Twentieth Century English Studies.*

An intensive study of a few modern writers. Three credits for the second semester.

English 475—*Nineteenth Century American Studies.*

Intensive investigation of significant literary figures, movements, or problems in nineteenth century American literature. Three credits for the first semester.

English 486—*Twentieth Century American Studies.*

Intensive investigation of significant literary figures, movements, or problems in twentieth century American literature. Three credits for the second semester.

English 490, 491, 492, 493—*Independent Study.*

Individual study under the direction of a member of the staff. From three to twelve hours, not more than six to be taken in the junior year. Three to twelve credits. (By permission of the department.)

GEOGRAPHY AND GEOLOGY/ *Professor* SAMUEL T. EMORY,
Chairman; *Professor* BIRD; *Associate Professor* BOWEN; *Assistant*
Professor GOUGER.

A student wishing to major in geography and geology must take a total of thirty hours in the department in addition to six hours of Introductory Geology. The total program *must* form a coherent group of courses and *must* be planned in consultation with the department. Suggested programs may be obtained from the departmental office.

Courses counted towards the area requirements may not be counted as part of the major program.

Geography

Geography 212—*World Cultural Geography.*

A study of the world by regions, with emphasis on the cultural differences among nations. Three credits.

Geography 275—*Human Environment: Perception and Utilization.*

A study of human ecology stressing the quality of the environment. Emphasis on pollution, resource utilization and conservation, and Man's role in changing the face of the earth. Three credits.

Geography 313—*Weather and Climate.*

An analysis of weather processes, distribution of climatic regions, the relationship between climate, vegetation, and soil regions, and the impact of climate upon man's activities. Three credits.

Geography 320—*Geography of Anglo-America.*

A study of the regional geography of the United States and Canada, stressing differences from place to place in land, landscapes, life, and livelihood. Three credits.

Geography 321—*Geography of Europe.*

A survey of the European continent including the climate, surface features, natural resources, population, agriculture, industry, and trade of each European nation and the nation's position in the world today. Three credits.

Geography 326—*Geography of the Soviet Union.*

A study of the landforms, climate, boundaries, trade, resources, people and cultural groupings of the Soviet Union. Three credits.

Geography 331—*Geography of East Asia.*

A study of the landforms, climate, boundaries, trade resources, people, and cultural groupings of Eastern Asia, including China, Japan, and South-east Asia. Three credits.

Geography 332—*Geography of West Asia.*

A study of the landforms, climate, boundaries, trade resources, people and cultural groupings of Southern and Western Asia, including the Middle East. Three credits.

**COURSE
OFFERINGS**
Geography

Geography 333—*Geography of Africa.*

A study of the landforms, climate peoples, boundaries, trade, and cultural groupings of the African continent. Three credits.

Geography 334—*Geography of South America.*

A survey of the population, natural resources, geographic regions, and potentialities of South America; the significance of this region in the economic and political affairs of the world. Three credits.

Geography 335—*Geography of Middle America and the Carribean.*

A survey of the population, natural resources, geographic regions, and potentialities of Middle America and the Carribean; and the significance of this region in the economic and political affairs of the world. Three credits.

Geography 340—*Economic Geography.*

A study of the distribution of economic resources, the trade which results from these resources, their cause and effect. Three credits.

Geography 345—*Urban Geography.*

A study of the site, situation, distribution, function, development and problems of urban centers. Three credits.

Geography 400—*Special Problems in Geography.*

An independent study of some geographic problem selected in consultation with the department. May be repeated for credit. Three credits.

Geography 414—*Air Photo Interpretation.*

A study of the principles of aerial photography, the uses of aerial photographs, and the identification and interpretation of physical and cultural features. Three credits.

Geography 415—*Cartography.*

A study of methods, theory, and practice of map construction. Three credits.

Geography 416—*Advanced Cartography.*

Prerequisite: Geography 415. Four credits.

Geography 418—*Field Geography.*

The study of basic methods of field study in cultural, economic and physical geography climaxing with the in depth field study of a selected area of geographic interest. Six credits. Summer session only.

Geography 422—*Historical Geography of North America.*

A study of the geography of selected regions of North America during designated periods of history. Emphasis will be placed upon settlement geography, historical economic geography, and geographical change through time. Three credits.

Geography 461—*Geographical Influences on History.*

A study of the influence of man's physical environment on history, with emphasis on American history. Three credits.

Geography 462—*Political Geography.*

A study of geographic factors in world power and international affairs. Three credits.

Geography 480—*History of Geographic Thought.*

A study of the development of theory, philosophy and methods in geography. Three credits.

Geography 490—*Special Problems in Geography.*

An independent study of some geographic problem selected in consultation with the department. May be repeated for credit.

Geology

Geology 120—*Physics and Chemistry of the Earth.*

Earth's origin, structure, mineral and rock compositions and environments. Earth's internal energy balance. Three credits.

Geology 121—*Atmosphere and Hydrosphere.*

Physical dynamics of atmosphere and oceans and their interaction. Ocean resources and biologic energy systems. Three credits.

Geology 122—*Continental Processes.*

The origin and evolution of the earth's surface. Three credits.

Geology 123—*Earth Science Seminar.*

Selected topics for students with strong science backgrounds or interests and a penchant for individual, outside-classroom work. Three credits (equivalent)

Geology 220—*Geochemistry.*

Investigation of surface and subsurface chemical processes. Monitoring and modeling of natural waters. Three credits.

Geology 230—*Ancient Biologic Systems.*

Problems of population dynamics, ecology and evolution as seen in the geologic column. Three credits.

Geology 300—*Readings in Geology.*

Selected topics of investigation for advanced students. Three credits.

Geology 312—*Geomorphology.*

The origin and development of landforms and their relation to underlying structure. Three credits.

Geology 430—*Independent Study.*

Individual investigation of geologic problems to be chosen in consultation with the staff. Three credits.

**COURSE
OFFERINGS**

*Geography
and
Geology*

HEALTH, PHYSICAL EDUCATION, AND RECREATION/
Associate Professor MIRIAM GREENBERG, Chairman; Professors BENTON, READ; Associate Professors ARNOLD, DROSTE, WOOSLEY; Assistant Professors CLEMENT, DARBY; Instructors DOSCH, DRAGOMANOVIC, HOLLACK, KIRSCHNER, MALL, and TAYLOR.

A program leading to the B.A. degree with the major in dance is described on page 142.

The following departmental requirements and information should be noted.

1. Each student must take one year of physical education. Up to three additional years of physical education will be credited to the degree, on the basis of one course and one credit per semester.

2. Each student is expected to participate in physical education activities. If a student's health restricts his participation, he is expected to take some modified activity. Such students shall arrange their physical education work in consultation with the chairman of the department.

3. A student may take any course which the department offers on the level for which he is qualified.

4. A student may not enroll in more than one course in physical education during a semester without the approval of the department chairman.

5. Satisfactory/Unsatisfactory. Grades in the Physical Education Department (with the exception of the Dance courses) are S and U. "U" means that the requirement has not been met, and an additional course must be taken. Credits earned with an "S" count towards graduation but carry no quality points.

Health Education

Health Education 100—*Contemporary Health Problems.*

Two periods a week for one semester. Two credits.

Physical Education

All classes meet three periods per week or the equivalent. All carry one credit.

Physical Education 101, 102; 201, 202; 301, 302; 401, 402*—*Field Hockey.*

Physical Education 103, 104; 203, 204; 303, 304; 403, 404—*Basketball.*

*100 numbers indicate first level; 200 numbers indicate second level, etc.

Physical Education 105, 106; 205, 206; 305, 306; 405, 406—*Volleyball.*

Physical Education 109, 110; 209, 210; 309, 310; 409, 410—*Lacrosse.*

Physical Education 111, 112; 211, 212; 311, 312; 411, 412—*Gymnastics.*

Physical Education 113, 114; 213, 214; 313, 314; 413, 414—*Individual Exercise.*

Physical Education 115, 116; 215, 216; 315, 316; 415, 416—*Swimming.*

Physical Education 117, 118; 217, 218; 317, 318; 417, 418—*Correctives.*

Physical Education 119—*Fundamentals of Movement.*

Physical Education 120—*Introduction to Dance.*

Physical Education 121, 122; 221, 222; 321, 322; 421, 422—*Ballet.*

Physical Education 123, 124; 223, 224; 323, 324; 423, 424—*Modern Dance.*

Physical Education 125, 126; 225, 226; 325, 326; 425, 426—*Tap Dance.*

Physical Education 127, 128; 227, 228; 327, 328; 427, 428—*Folk and National Dance.*

Physical Education 129, 130; 229, 230; 329, 330; 429, 430—*American Folk and Square Dance.*

Physical Education 131, 132—*Officiating.*

Physical Education 133, 134; 233, 234; 333, 334; 433, 434—*Tennis.*

Physical Education 135, 136; 235, 236; 335, 336; 435, 436—*Golf.*

Physical Education 139, 140; 239, 240; 339, 340; 439, 440—*Archery.*

Physical Education 141, 142; 241, 242; 341, 342; 441, 442—*Fencing.*

Physical Education 145, 146; 245, 246; 345, 346; 445, 446—*Badminton.*

*Physical Education 147, 148; 247, 248; 347, 348; 447, 448—*Riding.*

*Written permission of parent or guardian must be presented before enrollment in this course may be completed. Each student will have an opportunity to ride in the annual Horse Show.

Riding for recreation, without credit, two hours a week each semester. Fee, \$90.00.

Dance

The dance major is designed to provide a liberal arts education as well as a broad dance education. The development of the student as a person by allowing for creative self-expression and by stressing the goal of excellence is viewed also as an aim of the dance major. It offers opportunities for in-depth study in areas of the student's choice: acquiring proficiency in performance or specifically applying dance in other areas (research, therapy, notation, education or criticism). Consequently, this major provides a thorough education while laying a foundation for further study or specialization in the field of dance.

The major program in dance requires a minimum of twenty-four credits selected from courses in dance and twelve credits in the related fields of art, drama, and music. The student will select one of these areas to satisfy the fine arts requirement. The four-year program should be planned in consultation with the adviser.

The twenty-eight credits of electives should be selected in consultation with the adviser. Electives include additional dance courses and courses of the student's choice.

The twenty-eight credits of electives should be selected in consultation with the adviser. Electives include additional dance courses and courses of the student's choice.

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COURSE OFFERINGS

Health, P.E., and Recreation

***Dance 121, 122; 221, 222; 321, 322; 421, 422— *Ballet*.**

The study of ballet as a discipline toward exactness and precision of line, as a creative means of expression, and from an historical reference. Three periods a week. One credit each semester.

***Dance 123, 124; 223, 224; 323, 324; 423, 424— *Modern Dance*.**

The study of body movement, its relationship to space, time, and force through improvisation and exploration. Three periods a week. One credit each semester.

Dance 211-212— *Analysis of Movement Theories*.

The comparison of selected theories of movement, including Dalcroze (rhythm); Delsarte (gesture); Humphrey-Weidman (gravity); Laban (effort-shape); Wigman (space); and the contemporary concept of total body movement (applied anatomy). Three periods a week. Six credits. (Offered in 1971-72.)

***Dance 231— *Studies in Compositional Forms*.**

The study of forms in dance as the structure and organization of movement patterns and phrases. Experimental studies. Two double periods a week. One credit.

***Studio Dance**

Dance 232—*Survey of Dance Styles.*

The study of dance style related to historical periods in art, drama, and music. Creative work in primitive, archaic, medieval, pre-classic, classic, and contemporary styles. Three double periods a week. Two credits.

Dance 235-236—*Dance Movement for the Theatre.*

Prerequisite: two credits of modern dance or proficiency. A study of movement as an instrument of communication in dramatic production through creative projects in the theatre involving the interrelation of movement with mime, gesture, space, rhythm, and expression. Two double periods a week. Four credits. (Not offered in 1971-72.)

Dance 310—*Creative Dance for Children.*

Dramatic imagery, rhythmic improvisation, and the translation from observation of movement through pantomime to dance. Two double periods a week. Two credits.

Dance 331—*Ethnic Dance of Western Cultures.

The study of the authentic and traditional dance forms and styles of the people of Western Cultures through knowledge and understanding of their history, culture and civilization. Performance of selected dances. Three periods a week. Two credits.

Dance 332—*Ethnic Dance of Eastern Cultures.*

The study of the dance forms and styles of the people of Eastern Cultures through knowledge and understanding of their history, culture and civilization. Three periods a week. Two credits.

Dance 341, 342—*Labanotation.*

The study and practice of reading and writing a scientifically constructed method of recording movement by means of symbols, leading to certificate examination on the beginning and intermediate levels. Two double periods a week. Three credits each semester. (Offered in 1971-72.)

Dance 351—*History of Dance.*

From primitive time, tracing the growth of dance through Egyptian, Grecian, and Roman times, the Middle Ages, the Renaissance and the development of ballet. Reading and Research. Three credits. (Not offered in 1971-72.)

Dance 352—*History of Dance.*

From the American Indian, tracing the growth of dance in America, through Afro-American, theatrical, ballet, the Modern Dance, and contemporary trends. Readings and Research. Three credits. (Not offered in 1971-72.)

Dance 431-432—*Problems in Choreography.*

Prerequisite: Dance 231, 232 or permission of the instructor. Opportunities for reading and research related to the portrayal of an idea, mood, characterization, or an emotion through dance in a theatrical setting as a non-verbal form of the communicative arts. Three double periods a week. Four credits. (Not offered in 1971-72.)

*Studio Dance

**COURSE
OFFERINGS**

*Health,
P.E., and
Recreation*

COURSE OFFERINGS

History

Dance 440—*Independent Study.*

Prerequisite: permission of the instructor. Research, reading, writing, choreographing or composing an approved creative problem in dance. Development of a paper, project, performance or production. Three credits.

HISTORY/Professor JOSEPH C. VANCE, Chairman; *Professor* LINDSEY; *Associate Professors* M. HOUSTON, ZIMDARS; *Assistant Professors* BOURDON, CRAWLEY, KLENKE, RYANG, SHERWOOD, TRACY, WARNER; *Instructor* CAMPBELL.

Students who choose a major in history must earn thirty credits in history in addition to the College degree requirement. Twenty-one credits must be devoted to courses above the 200 level, which must include at least one semester course on the 400 level in addition to History 490, Independent Historical Research. A student's program **must** be planned in consultation with the departmental advisor and approved by him.

Majors interested in Honors work should consult the current catalogue and the chairman of the department.

The College degree requirement of six hours in history can be fulfilled by completing:

History 201-202—American History

History 211-212—History of Western Civilization or by completing six hours of any combination of two courses from those numbered 221 through 224, or 231 through 236.

Students who plan to teach in Virginia should note that a course in American history is required for certification. This can be satisfied together with the College degree requirement by taking courses from those numbered 201, 202 or 221 through 224.

History 201, 202—*American History.*

A survey of the history of the United States from the Colonial period to the present. Three credits each semester.

History 211, 212—*History of Western Civilization.*

An introductory survey of the origin and development of civilization—ancient, medieval, and modern. Three credits each semester.

History 221—*Colonial America.*

The discovery, exploration, and settlement of North America and the development of the British Colonies to 1763. Three credits.

History 222—*The American Revolution and the Early National Period.*

Independence, the creation of the United States and its development through the Jackson period. Three credits.

History 223—*Civil War, Reconstruction, and The Gilded Age.*

The coming of the War, the War, restoration of the Union and the problems of reconstruction, the emergence of industrial America. Three credits.

History 224—*Twentieth Century America.*

Economic, social, and political development and the rise of the United States as a world power. Three credits.

History 231—*Greek Civilization.*

A study of the geography, history and civilization of Greece from earliest times through the death of Alexander the Great. Three credits.

History 232—*Roman Civilization.*

A study of the geography, history and civilization of Italy and the Roman state from earliest times through the age of Justinian. Three credits.

History 233—*Medieval Europe.*

Europe from 325 to 1400. Emphasis on the decline of the Roman Empire, migrations, the church, feudal institutions, medieval thought and the origins of modern national institutions. Three credits.

History 234—*The Renaissance and Reformation.*

The period examined as one of transition, from the High Middle Ages to 1618. Three credits.

History 235—*Early Modern Europe, 1618-1815.*

A study of Europe during the Age of Absolutism, the Enlightenment, the French Revolution and the Napoleonic Era. Three credits.

History 236—*Modern Europe, 1815 to the Present.*

A survey of the period with emphasis on the Industrial Revolution, nationalism, democracy, imperialism, power politics and social reform. Three credits.

History 301, 303—*Diplomatic History of the United States.*

A study of foreign relations from the Colonial period to the present. Three credits each semester.

History 303, 304—*The Old and New South.*

First semester, an examination of the social, political, and economic development of the South before the Civil War. Second semester, Reconstruction, race relations, the "solid South" in politics, and the rise of Southern industry. Three credits each semester.

History 305—*The Frontier in American History.*

The westward movement and the significance of the Frontier, emphasizing the Turnerian thesis. Three credits.

**COURSE
OFFERINGS**
History

History 306—*The Negro in American History.*

A history of the Negro since the early 1600's with emphasis on his role during the Ante-Bellum period, Emancipation and Reconstruction, the nadir of the Negro in America (1878-1900), the Negro in the twentieth century with stress on the period since 1928. Three credits.

History 307, 308—*Social and Intellectual History of the United States.*

The main traditions of thought and belief through the writings of significant figures in relation to the social environment and the major historical events and cultural changes. Three credits each semester.

History 321, 322—*Latin American History.*

Colonial institutions, the independence movement, development of the modern states, Organization of American States, and other international problems. Three credits each semester.

History 323, 324—*Social and Intellectual History of Latin America.*

An intensive study of institutions and thought from preconquest Indian cultures to the present. Three credits each semester.

History 341, 342—*East Asian Civilization.*

A survey of the development of culture and civilizations in China and Japan. Three credits each semester.

History 343—*Modern China and Japan.*

A history of modern China and Japan with a special emphasis on their rise to positions of world power. Three credits.

History 344—*Modern Southeast Asia.*

A history of modern Southeast Asia. Three credits.

History 351, 352—*History of England.*

A general survey of English history from earliest records to the present. Emphasis upon the economic and constitutional phases and growth of the British Empire. Three credits each semester.

History 353, 354—*History of France.*

From the earliest time to the present, tracing the growth of the French nation state and the dominant role played by France in the intellectual and cultural life of Europe. Special attention is given to the French Revolution and Napoleon, and the course of French history through the nineteenth century to the present. Three credits each semester.

History 355, 356—*History of Germany.*

From the first appearance of the Germanic peoples in the Roman Empire through the Medieval German Empire, its dissolution and the subsequent fragmentation of the German nation. The Renaissance and humanism; Luther and the Reformation. Particular emphasis on the Romantic movements in philosophy, literature and music. German Nationalism, Bismark's Empire, Hitler and the Third Reich. Three credits each semester.

History 357, 358— *History of Russia.*

Major social, political, economic and cultural developments from the foundation of the Kievan state to the present. First semester, medieval and eighteenth century Russia. Second semester, the revolutionary movement, the fall of the Old Regime, and the Soviet Era. Three credits each semester.

History 359, 360— *History of Spain.*

From the Moorish invasions to the present with particular emphasis upon the reconquest, the social and economic development in the sixteenth and seventeenth centuries, the demography of a pre-industrial society, the eighteenth century revolutions and the modern age. Three credits each semester.

History 361, 362— *European Social and Intellectual History.*

Selected studies of representative thinkers from St. Augustine to the present, emphasizing their place in the development of Western thought. Three credits each semester.

History 370— *Historiography.*

Designed to acquaint the student with the major historians, historical writings and trends in the discipline of history and some of the general philosophical theories of history. Three credits.

The special Studies in History are devoted to special historical periods or topics. Their purpose is to acquaint the student with historical issues and literature by involving her in research and discussion. The focus, form, and content of each Special Studies course will be determined by the instructor. Topics will be announced in the spring for the following academic year after consideration of student interest and staff availability. Prerequisite to all Special Studies courses: an appropriate 200 or 300 level course or permission of the instructor.

History 490— *Independent Historical Research.*

An introduction to the methods and tools of historical research with emphasis upon a formal paper, the subject to be chosen by the student. Required of history majors. Offered each semester. Three credits.

History 491, 492— *Special Studies in American History.*

Three credits each semester.

History 493, 494— *Special Studies in European History.*

Three credits each semester.

History 495, 496— *Special Studies in Latin American History.*

Three credits each semester.

History 497, 498— *Special Studies in Far Eastern History.*

Three credits each semester.

HOME ECONOMICS/ Assistant Professors R. HARRIS, JAMISON.

The Department of Home Economics offers as electives all courses for students in any curriculum. Credit may not be included

**COURSE
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*Home
Economics*

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*Home
Economics*

in the total hours required for graduation if the student is fulfilling certification requirements, since a total of only twelve (12) credit hours is allowed in both home economics and education. The Home Economics Department is concerned with implementing the liberal arts program through courses which help prepare students to meet basic and human needs for effective living and for responsible participation in the community and the world.

Home Economics 104—*International Foods.*

A study of food patterns of various cultural groups and the way they meet the dietary needs of the people. Emphasis on the interrelationships of the contributions of Asian, European, African, Central and Latin American civilizations. Demonstrations of the preparation of typical meals of different cultures. Two single periods a week. Two credits. (Offered in 1971-72.)

Home Economics 112—*Art of Costume.*

Consideration given to the theories of dress and adornment with implications for individual application. Two credits. Two lectures. Either semester.

Home Economics 211—*Contemporary Costume.*

Consideration given to Twentieth Century clothing in relation to factors influencing the production and consumption of wearing apparel for the satisfaction of human wants. A basic course for the beginning student in clothing construction. Three credits. Five lecture and laboratory hours. Either semester.

Home Economics 212—*Contemporary Costume.*

A study of the factors influencing apparel design and the various methods used in custom dressmaking and tailoring. A course designed for the student who has a background in clothing construction. Three credits. Five lecture and laboratory hours. Second semester.

Home Economics 214—*Costume Design.*

A creative approach to the study of dress and adornment. Original designs developed and creativity expressed through the medias of pattern-making and draping. Three credits. Five lecture and laboratory hours. Second semester.

Home Economics 221, 222+—*Foods.*

Basic principles and fundamental processes involved in the selection and preparation of foods; emphasis on the aesthetic and sociological aspects of menu planning. Two double periods a week. Three credits each semester.

Home Economics 231—*Nutrition.*

Principles of human nutrition and how such knowledge may be utilized to prevent ill health and promote a high level of physical fitness. Two single and one double periods a week. Three credits each semester.

LATIN AMERICAN STUDIES/Professor MARY ELLEN STEPHENSON, *Adviser*.

Latin American Studies 301, 302—*Readings and Research in Latin America*.

A study of selected topics in art, architecture, economics, folklore, geography, history, literature, and politics of Latin America. Three periods a week. Three credits each semester.

LIBERAL ARTS SEMINAR

The Liberal Arts Seminars offer an opportunity for participation in a planned program of reading, discussion, and assigned papers. Each seminar is directed by two members of the faculty, who share the responsibility for planning, conducting and evaluating the work done. A student who withdraws from the seminar at the end of the first semester may, upon the recommendation of the directors, receive credit for three semester hours. Enrollment is by permission of the instructors and is limited to eighteen students in each seminar.

Liberal Arts Seminar I- II

Two one and one-half periods a week. Six credits.

Liberal Art Seminar III- IV

Two one and one-half periods a week. Six credits.

MATHEMATICS/Professor HOBART C. CARTER, Chairman; *Professor* SHAW; * *Associate Professor* A. M. HARRIS; *Assistant Professors* GARDNER, JONES, KEMMLER, PIERCE, SARCHET, TYREE, ZELENOK.

Students who undertake a major program in mathematics are required to earn thirty-six credits in mathematics and related subjects.

Twenty-four must be selected from courses in mathematics more advanced than Mathematics 221 and must include Mathematics 302 and Mathematics 342. At least twelve must be earned in the following fields:

Mathematics—Any 300 or 400 course undertaken in addition to the twenty-four credit requirement.

Physics—Any course in physics.

Astronomy—Any course in astronomy.

Philosophy—Philosophy 221, 344, 406

Chemistry—Chemistry 393, 394.

Economics—Economics 372.

*Deceased March 6, 1971.

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**COURSE
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*Liberal Arts
Seminar
Mathematics*

**COURSE
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Mathematics

Mathematics 111—*Mathematical Analysis I.*

Mathematical foundations and analytic geometry of the plane. Three periods a week. Three credits.

Mathematics 121—*Calculus I.*

Calculus of algebraic functions with applications. Three periods a week. Three credits.

Mathematics 131—*Mathematical Analysis II.*

Logic, number bases, probability, matrix applications, analytic geometry of space and a class-selected topic. Three periods a week. Three credits.

Mathematics 221—*Calculus II.*

Advanced topics of calculus of algebraic functions and calculus of transcendental functions with applications. Three periods a week. Three credits.

Mathematics 231—*Calculus III.*

Solid analytics, multivariate calculus and infinite series. Three periods a week. Three credits.

Mathematics 301, 302—*Higher Algebra.*

Mappings, groups, rings, fields, vector spaces and linear transformations. Three periods a week. Three credits each semester.

Mathematics 312—*Differential Equations.*

Ordinary differential equations with applications and an introduction to partial differential equations. Three periods a week. Three credits.

Mathematics 341, 342—*Advanced Calculus.*

Prerequisite: Mathematics 231. Three periods a week. Three credits each semester.

Mathematics 411—*Vectors and Matrices.*

Prerequisite: Mathematics 341. The algebra and calculus of vectors with matrix theory. Three periods a week. Three credits.

Mathematics 412—*Complex Variables.*

Prerequisite: Mathematics 342. Analytic functions, Cauchy-Riemann conditions, integration, power series, calculus of residues, conformal mappings, and applications. Three periods a week. Three credits.

Mathematics 431, 432—*Higher Geometry.*

Basic ideas and methods of higher geometry; the geometries associated with the projective group of transformation; applications of affine and metric geometries. Three periods a week. Three credits each semester.

Mathematics 441—*General Topology.*

Prerequisite: Mathematics 301. Point-set theory; simplexes and complexes; topological invariance; introduction to homology and homotopy theory. Three periods a week. Three credits.

Mathematics 446—Probability

Definitions of probability, combinatorial analysis, combination of events, conditional probability, common distributions, random variables, and recurrent events. Three periods a week. Three credits.

Mathematics 451, 452—Numerical and Graphical Analysis.

Numerical and graphical methods applied to the following: solution of equations; interpolation; differentiation; integration; and solution of differential equations. Three periods a week. Three credits each semester.

Mathematics 491, 492—Selected Topics in Mathematics.

A program of independent study under the direction of a member of the staff. Open to senior majors with the permission of the department. Three credits each semester.

MODERN FOREIGN LANGUAGES/Professor MARY ELLEN STEPHENSON, Chairman; Professors BOLLING, GREENE, HOGE, E. JONES, McINTOSH, RIVERA; Associate Professors BLESSING, BOZICEVIC, HERMAN, HOFMANN, PEREZ,* Assistant Professors C. ASCARI, BRUCKNER, MANOLIS;* Instructors R. ASCARI, CAPELLE, CHAVES, DEFLORIO, OHTANI, QUANN, SCHNELLER, J. WARNER; Assistant Instructor L. MANN.

Major programs are offered in French, German, and Spanish.

Course sequences in Italian, Japanese, Portuguese, and Russian are also available.

Students applying for admission to the College must take a College Board Achievement Test in a foreign language. If this test is taken in a modern foreign language, students planning to continue in that language will be advised of the level of the course in which they should enroll.

A student who has high school credit for two or three units in a foreign language will not receive credit for a beginning course in that language.

A student who has high school credit for four years in a foreign language will not receive credit for an intermediate course in that language.

Students who read, write, and speak a language other than English may receive credit only for advanced courses in that language.

The foreign language is the language of the classroom for all courses numbered 200 and above. Other levels will use the foreign language as much as student preparation and progress allow.

To insure majors an acquaintance with all acknowledged masterpieces of the literature, the department offers a guided reading program.

*On leave 1970-71.

**COURSE
OFFERINGS**

*Modern Foreign
Languages*

**COURSE
OFFERINGS**
*Modern Foreign
Languages*

Each student in elementary and intermediate classes in Modern Foreign Languages will spend a minimum of one and one half hours a week in the Language Laboratory as a part of her preparation beyond and above scheduled class sessions.

French

Students who undertake a major program in French must take forty credits in French and related subjects. These credits are to be arranged by the student, the adviser, and the Department.

French majors in the junior and senior year are required to read and to report in the language of their major on books in the literary periods not covered by classes they have taken.

Each French major should reside for one session in the French House.

French 101-102—*Beginning French.*

For students who enter college with fewer than two units in high school French. Five periods a week, two of which will be laboratory periods. Six credits.

French 103-104—*Intermediate French.*

Prerequisite: French 101-102 or two to three units in high school French. Grammar review; varied reading; oral work with emphasis on the language laboratory. Three periods a week. Six credits.

French 107, 108—*Fundamentals of French Pronunciation and Conversation.*

Prerequisite: French 101-102 or two units of high school French. A basic or remedial course for serious students who lack the proficiency in French which would make them eligible for French 203-204. Two periods a week. One credit each semester.

French 201, 202—*Introduction to French Literature.*

Prerequisite: French 103-104 or four units of high school French. Selected readings from all periods of French literature. Three periods a week. Six credits.

French 203, 204—*French Conversation.*

Prerequisite: Sophomore standing or proof of proficiency at this level. A course offered especially for majors or those planning to live in the French House, but open to others with permission of the instructor. Two periods a week. Two credits.

French 205-206—*Survey of French Literature.*

Open only to French majors and to certain other students who have demonstrated unusual ability in the language. Prerequisite: French 103-104 or four units of high school French. Lectures, reports, and selections from representative writers. Three periods a week. Six credits.

French 209—*French Phonetics.*

Introduction to intonation and phonetics, using the international phonetic symbols as applied to the French language. Recommended especially for prospective teachers of French. One semester. Two periods a week. One credit.

French 212—*Studies in Language I.*

Grammar and composition. Recommended for majors. Open to students who have completed four years of high school French or French 103-104. Three periods a week. Offered second semester. Three credits.

French 241—*The Comedy of Moliere.*

Comedies selected to show the various aspects of Moliere's dramatic production. Three periods a week. Three credits.

French 242—*Voltaire, Rousseau and Revolution.*

Revolutionary aspects in the writings of Voltaire and Rousseau. Three periods a week. Three credits.

French 243—*The Novel of the Twentieth Century.*

Novels of major writers from Proust to Camus. Three periods a week. Three credits.

French 244—*Le Nouveau Roman.*

Selected novels since 1955. Three periods a week. Three credits.

French 245—*The Modern French Theater and the Theater of the Absurd.*

Works of 20th Century French playwrights such as Claudel, Giraudoux, Anouilh, and Ionesco. Three periods a week. Three credits.

French 246—*French Tragedy of the Seventeenth Century.*

Principal works of Corneille and Racine. Three periods a week. Three credits.

French 247—*The Novel of the Nineteenth Century.*

Selected works from the Romantic, Realistic, and Naturalistic Schools. Three periods a week. Three credits.

French 248—*The Romantic Theater and Poetry.*

Selected from the major representatives of the Romantic school. Three periods a week. Three credits.

French 249—*L'Homme Revolte in French Literature.*

French individualism as reflected in the literature. Three periods a week. Three credits.

French 250—*Existentialism.*

Essays, plays and novels of the major exponents of the Existentialist movement. Three periods a week. Three credits.

THE PREREQUISITE FOR 300 AND 400 LEVEL COURSES IS SATISFACTORY COMPLETION OF FRENCH 205-206, OR PERMISSION OF THE INSTRUCTOR.

French 301—*Literature of the Middle Ages.*

Three periods a week. Three credits.

French 302—*Literature of the Sixteenth Century.*

Three periods a week. Three credits.

French 303—*Drama of the Seventeenth Century.*

Three periods a week. Three credits.

French 304—*Non-dramatic Literature of the Seventeenth Century.*

Three periods a week. Three credits.

French 305-306—*Studies in Language II.*

Advanced grammar and composition. Translation. Required of majors. Others by permission of the instructor. Three periods. Six credits.

French 307—*The Novel of the Nineteenth Century.*

Three periods a week. Three credits.

French 308—*The Novel of the Twentieth Century.*

Three periods a week. Three credits.

French 309, 310—*French Civilization.*

Prerequisite: French 103-104 or four units of high school French. Geography, history, and the political and cultural background of France and the French people. Three periods a week. Three credits each semester.

French 401—*Twentieth Century Theatre.*

Three periods a week. Three credits.

French 402—*Twentieth Century Poetry.*

Three periods a week. Three credits.

French 403—*The Literature of Eighteenth Century Philosophers.*

Three periods a week. Three credits.

French 404—*The Theatre and the Novel of the Eighteenth Century.*

Three periods a week. Three credits.

French 407-408—*French Conversation.*

Required of majors unless excused after examination by the department. Two periods a week. Two credits.

French 409—*Nineteenth Century Romanticism in the Theatre and in Poetry.*

Three periods a week. Three credits.

French 410—*Nineteenth Century Post-Romantic Theatre and Poetry (The Parnasse and Symbolism).*

Three periods a week. Three credits.

French 411, 412+—*Senior Seminar in French.*

Open to seniors with permission of department. Three periods a week. Three credits each semester.

French 491—*Independent Study.*

Individual study under the direction of a member of the staff. Three credits a semester for not more than two semesters. (By permission of the department.)

French for Graduate Reading Examinations

An intensive non-credit course in reading French offered to individuals working on graduate degrees. It is designed to prepare the individual for foreign language examinations given to fulfill requirements toward a Masters or Ph.D. degree.

German

Students who choose a major program in German must take forty credits in German and related subjects. These credits are to be arranged by the student, the adviser, and the Department.

German majors must complete during their junior and senior years readings outlined by their advisers to cover periods of literature not covered in classes.

German 151-152—*Beginning German.*

For students offering fewer than two units in high school German. Fundamentals of grammar, composition, conversation, and reading. Five periods a week, two of which are laboratory periods. Six credits.

German 153-154—*Intermediate German.*

Prerequisite: German 151-152 or two to three units of high school German. Grammar review and conversation; reading of modern German texts. Three periods a week. Six credits.

German 155, 156—*German Conversation.*

Prerequisite: sophomore standing or proof of proficiency at this level. Two periods a week. Two credits.

German 251, 252—*Introduction to German Literature and Civilization.*

Prerequisite: German 153-154 or four units of high school German. A study through selected texts of the literary and cultural background of the German people. Three periods a week. Six credits.

THE PREREQUISITE FOR 300 AND 400 LEVEL COURSES IS SATISFACTORY COMPLETION OF GERMAN 251-252, OR PERMISSION OF THE INSTRUCTOR.

German 351, 352—*Advanced Grammar and Composition.*

Required of majors. Three periods a week. Six credits.

German 355, 356+—*German Literature from the Earliest Times Through the Eighteenth Century.*

Emphasis on the epic of the Middle Ages, the literature of the Baroque Period and the Age of Enlightenment. Three periods a week. Three credits each semester.

German 357, 358+—*German Classicism and Romanticism.*

Fall semester: literature of the classic movement; spring semester: literature of the romantic schools. Three periods a week. Three credits each semester.

German 451, 452—*Nineteenth Century Literature.*

Lectures, readings, and reports. Three periods a week. Three credits each semester.

German 453, 454—*Advanced German Conversation.*

Required of majors unless excused after examination by the department. Two periods a week. Two credits.

German 455, 456+—*Modern German Literature.*

A study of representative works from 1890 to the present. Three periods a week. Three credits each semester.

German 457, 458—*Goethe's "Faust."*

A thorough study and interpretation of this great masterpiece and its background. Three periods a week. Three credits each semester.

German 459, 460+—*Readings in German.*

Open to seniors by permission of the department. One period a week. One credit each semester.

German 461, 462+—*Goethe's Faust in Translation.*

Taught in English. Not accepted as Foreign Language requirement toward degree. Two hours a week. Two credits each semester.

German 491—*Independent Study.*

Individual study under the direction of a member of the staff. Three credits a semester for not more than two semesters. (By permission of the department.)

German for Graduate Reading Examinations.

An intensive non-credit course in reading German offered to individuals working on graduate degrees. It is designed to prepare the individual for foreign language examinations given to fulfill requirements toward a Masters or Ph.D. degree.

Italian

Italian 161-162—*Beginning Italian.*

For students who enter college with fewer than two units of high school Italian. Fundamentals of grammar and pronunciation; reading and conversation. Five periods a week, two in the laboratory. Six credits.

Italian 163-164—*Intermediate Italian.*

Prerequisite: Italian 161-162 or two units of high school Italian. A review of grammatical principles; readings of selected texts, collateral reading. Three periods a week. Six credits.

Italian 216—*Studies in Language I.*

Grammar and composition. Open to students who have completed four years of high school Italian or Italian 163-164. Three periods a week. One semester. Three credits.

Italian 261, 262—*Modern Italian Literature.*

Prerequisite: Italian 163-164 or four units of high school Italian. A study based on Italian texts of the late 19th and 20th centuries. Three periods a week. Six credits.

Italian 263, 264—*Dante and the Great Masterpieces of the Italian Renaissance in Translation.*

A study of Dante's Divine Comedy in the fall semester and other great literary Renaissance masterpieces in the spring. This course will be given in English. Two periods a week. Two credits.

Italian 265, 266—*Italian Conversation.*

Prerequisite: Italian 161-162 or two years of high school Italian. Two periods a week. Two credits.

Italian 361, 362+—*Nineteenth Century Literature.*

Readings from Italian literature with emphasis on the novel and drama of the 19th century. Three periods a week. Two credits each semester.

Italian 363, 364—*Literature and Civilization.*

A study based on Italian texts of the literary and cultural history of the Italian people. Three periods a week. Six credits.

Italian 461, 462+—*Dante.*

A study of Dante's Divine Comedy and the early Italian poets. Three periods a week. Three credits each semester.

**COURSE
OFFERINGS**
*Modern Foreign
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Italian 491—Independent Study.

Individual study under the direction of a member of the staff. Three credits a semester for not more than two semesters. (By permission of the department.)

Japanese

Japanese 181-182—Beginning Japanese.

For students beginning the study of Japanese. Five periods a week, one of which is scheduled to the laboratory. Six credits.

Japanese 183-184—Intermediate Japanese.

Prerequisite: Japanese 181-182. Four periods a week. Six credits.

Portuguese

Portuguese 141-142—Beginning Portuguese.

For students who enter college with fewer than two units in high school Portuguese. Grammar and readings; conversation based on the Brazilian pronunciation. Five periods a week, two in the laboratory. Six credits.

Portuguese 143-144—Intermediate Portuguese.

Prerequisite: Portuguese 141-142 or two to three units in high school Portuguese. A brief review of grammar; reading and discussion of modern Brazilian literature, conversation. Three periods a week. Six credits.

Portuguese 491—Independent Study.

Individual study under the direction of a member of the staff. Three credits a semester for not more than two semesters. (By permission of the department.)

Russian

Russian 171-172—Beginning Russian.

For students who enter college with fewer than two units in Russian. The basic vocabulary and fundamental grammatical structure of the language; practice in conversation and reading of easy Russian texts. Five periods a week, two of them in the laboratory. Six credits.

Russian 173-174—Intermediate Russian.

Prerequisite: Russian 171-172 or equivalent. Thorough review of grammar; reading of selected texts from modern prose writers; conversation on topics of current interest. Three periods a week. Six credits.

Russian 271, 272—Introduction to Russian Literature and Civilization.

Prerequisite: Russian 173-174 or equivalent. Readings and discussion of excerpts and short works with emphasis on nineteenth century literary masters and their times. Three periods a week. Six credits.

Russian 273, 274—*Russian Conversation.*

Prerequisite: Russian 171-172 or equivalent. Two periods a week. Two credits. (On sufficient demand only)

Russian 371, 372—*Soviet Russian Literature.*

Prerequisite: Russian 173-174 or equivalent. Reading and analysis of representative works by Soviet Russian writers such as Gor'kii, Sholokhov, Maiakovskii, Leonov, Fadeev, Pasternak, and others. Three periods a week. Six credits.

Russian 377—*Russian Literature in English Translation—XIX Century*

No knowledge of Russian required. Will not fulfill the language requirement. Core course for Russian Studies major. Readings, discussions, and lectures with emphasis on nineteenth century writers—Pushkin, Lermontov, Gogol', Turgenev, Dostoevskii, Tolstoi, and others. Three periods a week. Three credits.

Russian 378—*Russian Literature in English Translation—XX Century*

No knowledge of Russian required. Will not fulfill the language requirement. Core course for Russian Studies major. Readings, discussions, and lectures with emphasis on twentieth century writers—Gor'kii, Blok, Bulgakov, Zamiatin, Sholokhov, Leonov, Fadeev, Pasternak, Evtushenko, Solzhenitsyn, and others. Three periods a week. Three credits.

Russian 491—*Independent Study.*

Individual study under the direction of a member of the staff. Three credits a semester for not more than two semesters. (By permission of the department.)

Spanish

Students who choose a major program in Spanish must take forty credits in Spanish and related subjects. These credits are to be arranged by the student, the adviser, and the Department.

Spanish majors must complete during their junior and senior years readings outlined by their advisers to cover periods of literature not studied in class. Each Spanish major should live in the Spanish House during at least one year of her college course.

Spanish 121-122—*Beginning Spanish.*

For students who enter college with fewer than two units of high school Spanish. Five hours a week, two of them in the laboratory. Six credits.

Spanish 123-124—*Intermediate Spanish.*

Prerequisite: Spanish 121-122 or two or three units of high school Spanish. Conversation and composition; varied readings; review of grammatical principles; practice in the language laboratory. Three periods a week. Six credits.

Spanish 214—*Studies in Language I.*

Grammar and composition. Recommended for majors. Open to students who have completed four years of high school Spanish or Spanish 123-124. Three periods a week. One semester. Three credits.

**PREREQUISITES FOR 200-LEVEL COURSES ARE SATISFACTORY
COMPLETION OF SPANISH 123-124 AND/OR PROOF OF PROFICIENCY AT THIS LEVEL.**

Spanish 219, 220—*Introduction to Spanish-American Literature.*

Selected readings from the works of great writers of various periods. Three periods a week. Six credits.

Spanish 221, 222—*Introduction to Spanish Literature.*

Prerequisite: Spanish 123-124 or four units of high school Spanish. Readings from the works of the great writers of various periods. Three periods a week. Six credits.

Spanish 225, 226—*Spanish Conversation.*

A course offered especially for majors or those living in the Spanish House, but open to others with the permission of the instructor. Two periods a week. Two credits.

Spanish 227, 228+—*Spanish and Spanish American Civilization.*

A survey of Spanish and Spanish American History and institutions, with attention devoted to their ethnic, political, and artistic aspects. Three periods a week. Three credits each semester.

Spanish 231—*The Novelas Ejemplares and Entremeses of Cervantes.*

Three periods a week. Three credits.

Spanish 232—*The Drama of the Golden Age.*

Three periods a week. Three credits.

Spanish 233—*Drama of Spain after 1850.*

Three periods a week. Three credits.

Spanish 234—*Spanish Fiction of the Nineteenth Century.*

Three periods a week. Three credits.

Spanish 235—*Poetry of Spain.*

Three periods a week. Three credits.

Spanish 236—*The Generation of 1898 in Spain.*

Three periods a week. Three credits.

Spanish 237—*The Poetry of Spanish America.*

Three periods a week. Three credits.

Spanish 238—*The Literature of Mexico and Central America.*

Three periods a week. Three credits.

Spanish 239—*The Fiction of Spanish America.*

Three periods a week. Three credits.

Spanish 240—*The Essay of Spanish America.*

Three periods a week. Three credits.

THE PREREQUISITE FOR 300 AND 400 LEVEL COURSES IS THE SATISFACTORY COMPLETION OF SIX HOURS OF 200 LEVEL LITERATURE CLASSES AND/OR PERMISSION OF THE INSTRUCTOR.

Spanish 321, 322+—*Literature of the Middle Ages, Renaissance, and Eighteenth Century.*

Three periods a week. Three credits each semester.

Spanish 325—*Nineteenth Century Romanticism.*

Three periods a week. Three credits.

Spanish 326—*Post-Romantic Drama and Poetry.*

Three periods a week. Three credits.

Spanish 327, 328—*Studies in Language II.*

Advanced composition and grammar. Required of majors. Three periods a week. Six credits.

Spanish 329—*Spanish American Literature of the Period of the Conquest.*

Three periods a week. Three credits.

Spanish 330—*Spanish American Literature of the Seventeenth and Eighteenth Centuries.*

Three periods a week. Three credits.

Spanish 331, 332—*The Novel of the Nineteenth Century.*

Three periods a week. Three credits each semester.

Spanish 421—*The Drama of the Twentieth Century.*

Three periods a week. Three credits.

Spanish 422—*Poetry of the Twentieth Century.*

Three periods a week. Three credits.

Spanish 423, 424+—*Twentieth Century Prose.*

Three periods a week. Three credits each semester.

Spanish 425, 426+—*Drama and Poetry of the Golden Age in Spain.*

Three periods a week. Three credits each semester.

Spanish 427, 428+—*The Novel of the Golden Age in Spain.*

Three periods a week. Three credits each semester.

Spanish 429, 430+—*Nineteenth Century Literature in Spanish America.*

Three periods a week. Three credits each semester.

**COURSE
OFFERINGS**

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Spanish 431, 432+—*Twentieth Century Literature of Spanish America.*
Three periods a week. Three credits each semester.

Spanish 433, 434—*Advanced Conversation.*
Required of majors unless excused after examination by the department.
Two periods a week. Two credits.

Spanish 435, 436 —*Readings in Spanish.*
Open to seniors with permission of the department. Three periods a week,
three credits each semester.

Spanish 491—*Independent Study.*
Individual study under the direction of a member of the staff. Three
credits each semester for not more than two semesters. (By permission of the
department.)

MUSIC/Professor GEORGE E. LUNTZ, Chairman; *Professor* BUL-
LEY; *Associate Professors* CHAUNCEY, EDSON, HAMER, L. HOUSTON,
LEMOINE; *Assistant Professor* BAKER;* *Instructors* BOND, CHALI-
FOUX, RANDALL, SABINE.†

The Department of Music offers a major program in music as
well as courses that can be chosen as electives by students whose
primary interests are in other fields.

The Department of Music is a member of the National Associa-
tion of Schools of Music.

A major program requires that a student pass a preliminary
audition and basic test, earn a minimum of thirty-six credits
in music, demonstrate functional proficiency in piano, and acquire
the ability to perform well in some area of applied music.**
Twenty-four credits must be taken in the following courses:

Music 181-182, Harmony and Ear Training6 credits

Music 281-282, Advanced Harmony and Ear

Training.....6 credits

Music 305, 306, History of Music.....4 credits

Music 391-392, Counterpoint.....4 credits

Music 491-492, Form and Analysis4 credits

Students majoring in music should take Music 181-182 in the
freshman year.

*On leave 1970-71.

**No Fees For Applied Music.

†On leave Second Semester 1970-71.

Twelve additional credits are to be taken in courses selected from the following:

Music 291, History of Musical Instruments
Music 315, Twentieth Century Music
Music 321-322, Conducting
Music 395, 396, Orchestration
Music 175, 176, 275, 276, Band and Orchestra Instruments
Music 405, 406, Choral Music
Music 407, 408, Music and English Literature
Music 415, 416, Opera
Music 421, 422, Studies in Musical Style
Music 493-494, Independent Study
Music 495, 496, Composition
Applied Music

It is also possible for students to take courses in music in addition to those required by the major program. These courses may be considered as electives in fulfilling degree requirements. However, each student majoring in music should plan her work in consultation with the chairman of the department.

The following courses are suggested as valuable electives for the student majoring in music:

Art 111 and 112, Art History
Dramatic Arts 211, Survey of World Theatre
Philosophy 212, Aesthetics

In order to qualify for a Virginia teaching certificate in music, students should also take the necessary courses in psychology, including three semester hours in Child Psychology or Adolescent Psychology; six semester hours in School Music; and six semester hours in Supervised Teaching in Music.

Six semester hours of social science in addition to History of the United States and six semester hours of mathematics are required for Virginia teacher certification.

Teacher certification in Virginia also requires eighteen semester hours in performance instruction. This includes courses in conducting, instrumental classes, participation in chorus, band, or other regular ensemble groups, and individual instruction in applied music.

Theory of Music

Music 181-182—*Harmony and Ear Training.*

Fundamentals of music chord-structure and progressions. Figured bass and given melodies, dominant sevenths. Original work. Melodic, rhythmic, and harmonic dictation, sight-singing and keyboard harmony. Five periods a week. Six credits.

COURSE OFFERINGS

Music

**COURSE
OFFERINGS**
Music

Music 281-282— *Advanced Harmony and Ear Training.*

Prerequisite: Music 181-182. Advanced harmony and its use in traditional musical styles. Modulation, complete dominant harmony, altered chords, and enharmonic relationships. Harmonic analysis. Keyboard and ear training skills. Five periods a week. Six credits.

Music 285, 286+— *Instrumental Sight Reading.*

(Enrollment by permission of instructor.) Class designed to increase sight-reading ability by means of both playing and following the printed score. Also a retainer course for those who wish to keep up their instrumental technique, whether they are currently studying or not. Two periods a week. No credit.

Music 301, 302; 311, 312+— *School Music.*

Essentials of school music materials and procedures involved in teaching songs, rhythmic and instrumental work, and listening. Coordination with other subjects. Course 301-302 (Two hours a week. One credit each semester.) is for non-music majors expecting to teach in the elementary grades. Course 311, 312 (Three hours a week. Three credits each semester.) is for music majors who expect to teach music in elementary or secondary schools.

Music 321, 322+— *Conducting.*

Principles and techniques of conducting, including the study of materials, arranging, and program planning. First semester, choral conducting; second semester, instrumental conducting. Two periods a week. Two credits each semester.

Music 391-392— *Counterpoint.*

Prerequisite or co-requisite: Music 281-282. Elementary contrapuntal techniques, including double counterpoint at the octave. Two periods a week. Four credits.

Music 395, 396— *Orchestration.*

Techniques of instrumental scoring considered historically and creatively. Two periods a week. Four credits.

Music 491, 492— *Form and Analysis.*

Prerequisite: Music 281-282. Structural and harmonic analysis of both large and small forms of composition. Two periods a week. Four credits.

Music 495, 496— *Composition.*

Prerequisite: Music 281-282. Creative work in smaller forms. Correlative study of traditional and contemporary compositional practices. Two periods a week. Four credits.

History and Literature of Music.

Music 111, 112+— *Survey of Music.*

General survey of music and its relationship to general culture and history. Three periods a week. Three credits each semester.

Music 291—*The History of Musical Instruments.*

A study of the evolution of musical instruments in western culture from antiquity through the present day with emphasis on performance practices of the times and their relationships to the symphony orchestra. Two periods per week. Two credits.

Music 305, 306+—*History of Music.*

Study of the development of music from ancient to modern times with special correlation of historical and cultural trends. Two periods a week. Two credits each semester.

Music 315—*Twentieth Century Music.*

Prerequisite: Music 111-112 or Music 305, 306 or special permission of the instructor. The study of twentieth century practices in musical composition and their relationships to the historical developments in music. Two periods a week. Two credits. Offered each semester.

Music 405, 406+—*Choral Music.*

Study of sacred and secular choral literature, including both the vocal and interpretative aspects. Consideration of textual as well as musical content. Two periods a week. Two credits each semester. (Offered in alternate years. Not offered in 1971-72.)

Music 407, 408+—*Music and English Literature.*

A study of musical compositions inspired by English literature from Chaucer to the present day. (A theoretical and practical background of music is not essential for this course) Two periods a week. Two credits each semester. (Offered in alternate years. Not offered in 1971-72.)

Music 415, 416+—*Opera.*

Literary and musical development of the opera; staging and scenic devices. Comparison of operatic styles through study and listening. Two periods a week. Two credits each semester. (Offered in alternate years. Offered in 1971-72.)

Music 421, 422+—*Studies in Musical Style.*

A study of style related to period, nationality, and individual composers. Two periods a week. Four credits. (Offered in alternate years. Offered in 1971-72.)

Music 493, 494+—*Independent Study.*

Individual study under the direction of a member of the music department faculty. From two to six credits. (By permission of the department.)

Band and Orchestra Instruments

Music 175, 176—*Beginning String Instruments.*

Class study of playing techniques on string instruments, including reference to their historical development and literature. Two periods a week. Two credits for the session. (Not offered in 1971-72.)



Music 275—*Beginning Woodwind and Percussion Instruments.*

Class study of playing techniques on woodwind instruments and on snare drum, including reference to their historical development and literature. Two periods a week, first semester. One credit. (Offered in 1971-72.)

Music 276—*Beginning Brass and Percussion Instruments.*

Class study of playing techniques on brass instruments and on percussion instruments, including reference to their historical development and literature. Two periods a week, second semester. One credit. (Offered in 1971-72.)

Band, Chorus, And String Ensemble

The College maintains a concert band, chorus, and string ensemble. Any student may, with the permission of the conductor, participate in the band, chorus, or string ensemble, but will be allowed a combined maximum of six credits in ensemble participation. However, band, chorus, or string ensemble may be taken without credit. Each organization has two rehearsals a week and gives one credit each semester.

Individual Instruction in Music

Individual lessons in voice, piano, organ, violoncello, harp, and woodwinds are offered by the department.

Credit is allowed for a maximum of twelve semester hours in individual instruction.

For study of above named subjects one credit is allowed for one half-hour lesson a week plus one hour of practice daily; two credits are allowed for one one-hour lesson or two half-hour lessons a week plus two hours of practice daily.

Instructors in individual lessons are: Mrs. Anne Hamer, violoncello and piano; Mrs. Yvonne Sabine, voice; Mrs. Jean Edson, organ; Mr. Levin Houston, piano; Mr. Bernard Lemoine, piano; Miss Martha Randall, voice; Mr. George Luntz, Voice; Mr. James Baker,* woodwinds; Mr. Gareth Bond, woodwinds; Miss Jeanne Chalifoux, harp.

*On leave 1970-71.

PHILOSOPHY/*Professor* GEORGE M. VAN SANT, Chairman;
Professor LEIDECKER; *Assistant Professors* BONYHARD, SNYDER.

Students who choose a major program in philosophy complete at least twenty-four credits in philosophy in addition to any 100 level course taken to meet basic degree requirements. Students also complete twelve credits in related subjects. These subjects are to be selected in consultation with the student's adviser. Any 300 or 400 course in appropriate departments is acceptable (exceptions are Classics and Religion department courses numbered 201 and 202). A list of courses recommended as related fields is available from the department.

Majors in philosophy are expected to include at least four of the five following courses comprising the history of philosophy: Philosophy 321, 322, 371, 372, 373.

A program of Independent Study (tutorial) is offered to highly qualified students upon approval by the department. This may be specialization in the work of a single philosopher or a specific philosophical problem.

Philosophy 105—*Introduction to Philosophy: Morals and Society.*

An introductory survey of both classical and modern ethical systems. The importance of critical thinking about moral and social issues is stressed. Three periods a week. Three credits.

Philosophy 107—*Introduction to Philosophy: Knowledge and Reality.*

An introductory survey of philosophical positions concerning man's knowledge and the different metaphysical views which have been taken of the nature of the universe and man's position in the universe. Three periods a week. Three credits.

Philosophy 109—*Introduction to Philosophy: Language and Logic.*

The elementary principles of valid reasoning to introduce the arts and sciences student to logic and language, elementary symbolic logic and simple deductive system. Three periods a week. Three credits.

Philosophy 211—*Ethical Studies.*

A study of the status and justification of moral judgments, the nature of disagreements in moral issues, and contemporary examinations of the language used in ethical theories. Three periods a week. Three credits.

Philosophy 212—*Aesthetics.*

An examination of a variety of attempts to validate norms of taste and of criticism. Attention is given to problems specific to particular art forms as well as to the more general theories about the nature of art, and of responses to it. Three periods a week. First semester. Three credits.

COURSE
OFFERINGS

Philosophy

Philosophy 244—*Philosophy of Science.*

A survey of modern philosophical writing about scientific presuppositions, about the methods and language of the scientists, and about the impact of science on other philosophical problems. Three periods a week. Three credits.

Philosophy 304—*American Philosophy.*

A study of philosophical ideas in America from colonial times to their reorientation between World Wars I and II. Special emphasis is given to pragmatism. Three periods a week. Three credits.

Philosophy 306—*Symbolic Logic.*

Theory of formal systems; applied criteria of consistency, completeness and decisional procedures. The development of quantification theory. Godel's proof, approaches to the justification of logic, and other topics in symbolic logic. Prerequisite: Philosophy 109 or completion of six hours in mathematics. Three periods a week. Three credits.

Philosophy 311—*Philosophies of India.*

An approach to the germinal philosophic thoughts of the Vedas, Upanishads, and Bhagavad Gita, leading up to the classical philosophic systems of Sankhya, Yoga and Vedanta, with tangential treatment of Jainism, Tantra and Kashmir Shaivism. Three periods a week. First semester. Three credits.

Philosophy 312—*Philosophies of China and Japan.*

A study principally of Taoism and Confucianism and of schools based on or in opposition to these, with emphasis on the idiosyncratic contributions of the Chinese language to thought, the impact of Buddhism, and the further development of concepts and systems in Japan. Three periods a week. Second semester. Three credits.

Philosophy 313—*The Philosophy of Buddhism.*

A survey of the ethics of the Buddha, the Abhidhamma portion of the Buddhist canon, the main schools of the Theravada and Mahayana traditions with their principal exponents, and the origin and meaning of Zen. Three periods a week. Second semester. Three credits. (Offered in alternate years, Offered in 1971-72.)

Philosophy 321—*Greek Philosophy.*

A study primarily of selected works of Plato and Aristotle with special attention given to the origin and development of epistemological and metaphysical problems. Three periods a week. First semester. Three credits.

Philosophy 322—*Medieval Philosophy.*

A survey of scholastic philosophy. Special consideration is given to the works of Augustine, Thomas Aquinas and William of Ockham. Three periods a week. Second semester. Three credits.

Philosophy 331—*Philosophies of History.*

A survey of philosophical attempts to construct theories concerning the patterns of history. Two periods a week. Two credits.

Philosophy 343—*Existentialism and Phenomenology.*

A study of recent philosophical developments in the continental European tradition. Includes such writers as Kierkegaard, Nietzsche, Husserl, Heidegger, Marcel, Merleau-Ponty, Jaspers, and Sartre. Three periods a week. Three credits.

Philosophy 344—*History of Scientific Thought.*

A study of the classics in the development of scientific thinking. Special attention is given to the significant discoveries, the methods and the pre-suppositions which have characterized the different phases of the development of science. Prerequisite: Eight semester hours of laboratory science. Three periods a week. Second semester. Three credits. (Offered in alternate years, not offered in 1971-72.)

Philosophy 352—*Philosophy East and West.*

A study of basic concepts in ethics, aesthetics, logic and metaphysics embodied in the philosophical, religious and literary patterns of various Oriental cultures and a comparison of them with similar patterns in Western civilization with the objective of tracing parallels and influences and bringing to light differences as well as identities with implications for developing contemporary and global perspectives. Three periods a week. First semester. Three credits (Offered in alternate years, offered in 1971-72.)

Philosophy 361—*Metaphysics.*

A study of problems such as being, reality, space, time, causality, chance, freedom, and identity that are basic to an intellectual comprehension of the universe and the processes of mind and nature. Three periods a week. Three credits. (Offered in alternate years, not offered in 1971-72.)

Philosophy 371—*Seventeenth and Eighteenth Century Philosophy.*

A survey of major thinkers from Descartes to Hume, with particular emphasis on the relation and contributions of these thinkers to contemporary thought. Three periods a week. Three credits.

Philosophy 372—*Kant.*

A systematic study of selected major works of Immanuel Kant. The impact of Kant's thought on subsequent philosophical views is emphasized. Three periods a week. Three credits.

Philosophy 373—*Nineteenth and Twentieth Century Philosophy.*

A critical consideration of major thinkers and movements from Hegel to the present. Three periods a week. Three credits.

Philosophy 420—*Contemporary Epistemology.*

An examination of contemporary approaches to and problems about the nature of knowledge. Topics will include perception, meaning, the analytic-synthetic distinction, ontological commitment, etc. Three periods a week. Three credits.

**COURSE
OFFERINGS**
Philosophy

Philosophy 421—Symbolism.

A course dealing with the philosophic basis of symbol formation as a universal category. Origin, function and value of symbol and metaphor are traced in diverse cultures, from primitive to Oriental and Western, and as many fields as possible from meta-psychology, religious iconography, myth construction and art to the humanistic disciplines, literature and system building in metaphysics. Three periods a week. First semester. Three credits. (Offered in alternate years, not offered 1971-72.)

Philosophy 490—Readings in Philosophy.

Open to all philosophy majors and otherwise qualified students of junior and senior status who desire to become more familiar with the philosophical literature in a field previously selected by the philosophy department after consultation with the students. The emphasis is upon intensive reading, with group discussion of the selections read. Three periods a week. Three credits.

Philosophy 491, 492—Independent Study.

Tutorial under the direction of a member of the staff. Three to six credits (by permission of the department).

**PHYSICS/Associate Professor BULENT I. ATALAY, Chairman;
Associate Professors EDSON, NIKOLIC; Instructors DRUZBICK, PITTS.**

A major program in physics requires thirty-six semester hours of credit, of which twenty-four must be in physics, including Physics 251-252, 391-392, and six must be in Mathematics 211-212.

Physics 101-102—General Physics (Non-Calculus)

An introductory course in general physics stressing conceptual rather than mathematical aspects. Three single and one double period a week. Four credits each semester.

Physics 151-152—General Physics (Calculus).

Corequisite: Math 211-212 or equivalent Three periods and one double period a week. Four credits each semester.

Physics 153-154—Physics Problems.

Recitation section for 151-152. One period a week. One credit each semester.

Physics 211—Modern Physics I: Atomic Physics.

Foundations of quantum mechanics, atoms with one electron, multi-electron atoms, molecules, solids. First semester. Four credits.

Physics 212—Modern Physics II: Nuclear Physics.

Nuclear structure, static and dynamic properties; fundamental particles. Second semester. Four credits.

Physics 251—Classical Mechanics I.

Prerequisite: Physics 102 or 152 or equivalent; Math 212. Kinematics and dynamics of a mass particle, conservation laws, central forces, generalized coordinates, Lagrange and Hamiltonian methods, First semester. Three credits.

Physics 252—Classical Mechanics II.

Prerequisite: Physics 251 or equivalent. Kinematics and dynamics of a rigid body, Hamilton's equations of motion, small oscillations, special theory of relativity. Three periods a week. Second semester.

Physics 391, 392—Electricity and Magnetism.

Prerequisite: Math 212, Physics 152 or 252. A survey of the foundations of electromagnetic theory; including electrostatics, electromagnetic properties of matter, electric current analysis, electromagnetic induction, Maxwell's equations, special theory of relativity and elementary circuit theory (AC and DC). Emphasis will be on lectures and limited laboratory demonstrations. Three periods a week. Three credits each semester.

Physics 393—Optics.

Prerequisite: Math 212. An introduction to the theory of physical optics (Huygen's wave model of light) as applied to interference, diffraction, polarization, phase and group velocity of light. Course includes both lectures and a laboratory based on the observation and interpretation of basic optical effects. Three periods and one lab per week. First semester. Three credits.

Physics 394—Electronics.

Prerequisite: Physics 391. An introduction to the theory and operation of electronic instruments and basic circuits. The course will include a discussion of electrical measurements and measuring instruments, and basic circuit analysis (power supplies, amplifiers, oscillators, switching and timing circuits) using both vacuum tubes and transistors. Limited lectures with emphasis on laboratory work. Second semester. Three credits.

Physics 401, 402—Methods of Theoretical Physics.

Prerequisites: Math 212. Vectors and matrices, coordinates, functions of a complex variable, differential equations and application, Fourier and Laplace transformations, special functions in physics, finite and infinite dimensional vector spaces, variational methods, tensors, group theory. Three periods each week. Three credits each semester.

Physics 451—Thermal Physics I: Thermodynamics.

Prerequisite: Math 212. Temperature, thermodynamic states and variables, the laws of thermodynamics, entropy, thermodynamic potentials, change of phase. Three periods a week. Three credits.

Physics 452—Thermal Physics II: Statistical Mechanics.

Prerequisites: Same prerequisites as Physics 451, and Physics 201. Ensembles, microcanonical, canonical, and grandcanonical distributions, Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac distributions. Three periods a week. Three credits.

COURSE OFFERINGS

Physics

Physics 471-472—*Quantum Mechanics.*

Prerequisites: Physics 252. The concepts and formulation of quantum physics. Quantum mechanics, the Hamiltonian operator, and Schrodinger's equation, the harmonic oscillator, matrix formulation of quantum mechanics, angular momentum, scattering theory, perturbation theory, multi-particle systems. Three periods a week. Three credits each semester.

Physics 473—*Solid State Physics.*

Crystal structure, diffraction, reciprocal lattice, elastic constants and elastic waves, phonons, thermal properties, Fermi gas model, energy bands, semiconductor crystals, superconductivity. Three periods a week. First semester. Three credits.

Physics 476—*Nuclear Physics.*

Prerequisites: Physics 202. Corequisite: Physics 471-472. Mass, size, and constitution of nuclei, nuclear models, two-body forces, scattering reactions, introduction to elementary particles. Three periods each week. Second semester. Three credits.

Physics 481, 482—*Physics Seminar.*

Open to third and fourth year Physics students only. One period per week.

Physics 491-492—*Independent Study.*

Open to Senior Physics Majors only. Three credits.

Physics 493-494—*Honors in Physics.*

Open to Senior Physics Majors, who have satisfied the required grade-point average. Four credits.

PSYCHOLOGY/Associate Professor ROY B. WEINSTOCK, Chairman; Associate Professor M. A. KELLY; Assistant Professors BRESLER, DOBSON, KOFFMAN, MACEWEN, MERY, PHIFER, RABSON, R. H. SMITH.

A major program in psychology requires thirty-six credits in psychology and related fields of study. Of the thirty-six required credits, twenty-four must be earned in courses in psychology other than Psychology 201-202. Statistics (either Psychology 261 or 262), History of Psychology, and one semester of Experimental Psychology or Physiological Psychology are required courses for all psychology majors who wish to receive the Bachelor of Arts degree. Twelve hours from affiliated areas of study or in advanced courses in psychology should be selected by the student in consultation with his or her departmental adviser.

Psychology 201-202, General Psychology, is a prerequisite for all 300 level and 400 level psychology courses.

Psychology 201-202—General Psychology.

Fundamental principles of human behavior; biological antecedents; motivation; perception; learning; individual differences; intelligence; and personality. Three periods a week. Six credits. Not open to freshmen.

Psychology 261—Elementary Statistics.

A consideration of descriptive and inferential statistics. Such topics as central tendency, variability, probability, correlation techniques, chi-square, and t-tests will be covered. Quality point credit will not be allowed if Psychology 262 has already been, or is currently being, taken. Three periods a week. Three credits.

Psychology 262—Intermediate Statistics.

In-depth coverage of data analysis techniques and inferential tests, such as simple analysis of variance, curve fitting, and Bayesian statistics. This course is independent of Psychology 261, and is self-contained. Three periods a week. Three credits.

Psychology 301—Social Psychology.

The interrelationships between the individual and his social environment. Social influences upon motivation, perception, and behavior. The development of change of attitudes and opinions. Psychological analysis of small groups, social stratification, and mass phenomena. Three periods a week. Three credits.

Psychology 311—Abnormal Psychology.

Abnormalities of sensation, perception, memory, thinking, emotion, intelligence, motor activity, and personality; study of neurotic and psychotic syndromes. Three periods a week. Three credits each semester.

Psychology 331—Developmental Psychology: The Infant and Child.

The study of human development from conception through childhood. Emotional, intellectual, social, and physical growth will be examined. Special attention will be focused on current research and theories. Three periods a week. Three credits.

Psychology 332—Developmental Psychology: The Adolescent and Adult.

The study of human development from adolescence through old age. There will be special emphasis on adolescent changes in personality, intellectual capacities, physical characteristics, and life goals. Current research and theories on adolescence, adult behavior, and aging will be considered. Three periods a week. Three credits.

Psychology 342—Psychology of Personality.

A study of personality structure, dynamics, development, and methods of research. Three periods a week. Three credits.

Psychology 345—Psychology of Learning.

An analysis of the theoretical issues and/or experimental bases of learning. Both human and infrahuman research will be considered. Three periods a week. Three credits.

**COURSE
OFFERINGS*****Psychology*****Psychology 362—*Psychology of Exceptional Children.***

A study of exceptional children—the physically handicapped; the mentally retarded; the mentally gifted; and the emotional deviate. A survey of current attempts to provide programs to meet the specialized needs of such children. Three periods a week. Three credits.

Psychology 371—*Experimental Psychology: Operant Conditioning.*

Prerequisite: Psychology 261 or 262. An analysis of behavior utilizing the principles and procedures of operant conditioning. Laboratory work concentrated on the rat. Two lectures and one four-hour laboratory period a week. Four credits.

Psychology 372—*Experimental Psychology: Sensation and Perception.*

Prerequisite: Psychology 261 or 262. Visual and auditory sensation will be examined using basic psychophysical methods. Fundamental perceptual phenomena will be analyzed. Scaling techniques will be presented. Three lectures and one two-hour laboratory period a week. Four credits.

Psychology 373—*Experimental Psychology: Human Learning.*

Prerequisite: Psychology 261 or 262. An examination of method, data, and theory in human learning and memory research. Three lectures and one two-hour laboratory period a week. Four credits.

Psychology-Biology 392—*Behavior Genetics.*

Prerequisite: One year of biology and one year of psychology. The relationship between heredity and behavior of organisms including man; an examination of the relations between mechanisms of genetic transmission and gene action, population structure and evolution, and individual behavior differences. Three single periods a week for the second semester. Three credits.

Psychology 401—*Psychological Tests and Measurements.*

Prerequisite: Psychology 261 or 262. Theory of test construction; development, interpretation, and uses of tests of general and special abilities. Laboratory work illustrates the problems associated with testing and techniques of handling data. Three lectures and one two-hour laboratory period a week. Four credits.

Psychology 421—*History of Psychology.*

A survey of the historical antecedents of modern psychology. Three periods a week. Three credits.

Psychology 432—*Comparative Psychology.*

The study of the behavior of infrahuman organisms. Selected topics from both comparative psychology and ethology include tropisms, interactions of innate factors and learning, sensory capacities, and behavior morphology. Three periods a week. Three credits.

Psychology 446—*Physiological Psychology.*

A critical survey of the physiological correlates of behavior with special emphasis on neurophysiological mechanisms, psychopharmacology, neuroendocrine functions, motivations, learning, and conditioning. Laboratory work stresses the methods of physiological investigation. Three lectures and one two-hour laboratory period a week. Four credits.

Psychology 451—*Psychology of Motivation.*

The study of the origins and development of motivating forces and their effects on behavior. Theory and/or experimental data will be considered. Three periods a week. Three credits.

Psychology 470, 471, 472, 473—*Selected Topics in Psychology.*

A study of enduring and/or contemporary issues in psychology. Three periods a week. Three credits each semester.

Psychology 491—*Individual Research.*

The problem(s) to be investigated will be determined by individual interest(s). Each student will be responsible for library research and/or empirical investigation. One to four credits per semester will be allowed, depending upon the quantity of work planned. A maximum of eight credit hours will be allowed toward fulfilling the major field requirement. By permission of a staff member.

The Honors Program in Psychology

A student may graduate with Honors in Psychology by meeting the following criteria:

1. An overall gradepoint average of 3.0 and a gradepoint average of 3.3 in psychology must be attained at the end of seven semesters' work.
2. The student must complete, with a minimum grade of B, at least three credits in a course in Individual Research in Psychology. This may be taken in the student's junior year if the instructor feels that the student is sufficiently prepared to execute adequately a research project.
3. The student must be at or above the 90th percentile on the psychology field test of the Graduate Record Examination.

**RELIGION/Associate Professor ELIZABETH A. CLARK, Chairman;
Assistant Professor CAIN.**

A student majoring in religion must take at least twenty-four credits in religion courses (twelve of which must be numbered 300 or higher) and twelve credits in related fields (all of which must be worked out in consultation with an adviser). A six credit



COURSE OFFERINGS

Religion

seminar consisting of a year's work of readings and discussion culminating in the completion of a senior paper is required of all majors.

At the beginning of the second semester of the senior year, a major is required to pass a written examination in the field of religion which he has prepared for through introductory course work and private study. A make-up examination is offered when necessary.

A distinguished performance on the written examination and senior paper, in addition to a high grade average in religion course work, entitles a major to be graduated with Honors in Religion.

Religion 101—*Biblical Literature: The Hebrew Bible.*

A study of the history, literature and religion of ancient Israel. First semester. Three credits.

Religion 102—*Biblical Literature: The New Testament.*

A critical study of the origins and theological motifs of New Testament literature. Second semester. Three credits.

Religion 201, 202⁺—*The Western Religious Heritage.*

An examination of the historical and theological development of Judaism and of Christianity (primitive, Roman Catholic and Protestant). Three periods a week. Three credits each semester.

Religion 213, 214—*Modern Religious Thinking.*

An introduction to the diversity of issues and approaches in contemporary theological literature. The first semester considers the European discussion from Barth and Bultmann to Bonhoeffer, Fuchs, Ebeling, Pannenberg and Moltmann. The second semester deals with American contributions from the Niebuhrs to Vahanian, VanBuren, Cox and Keen. Three credits each semester.

Religion 239—*Social Change and the Religious Perspective.*

A study of some of the major social problems that confront contemporary American life as seen from the perspective of a modern Christian faith. Readings in literature from the social sciences and theology. Three credits.

Religion 271—*Studies in Faith and Literature.*

Consideration of aspects of Christian thought and literary criticism accompanies the reading of works by Albee, Bernanos, Camus, Dostoyevsky, Grass, Hesse, Jimenez, Lawrence and others. Attention focuses on benefits and dangers of various ways of relating faith and literature. Three credits.

Religion 301—*Readings in Hellenistic Religions.*

A study of the types of religious belief, including primitive Christianity, which emerge in the Hellenistic era. The accent throughout is on contemporary parallels. First semester. Three credits.

Religion 306—*Early Christian Thought.*

Studies of the theology of the early church with special attention given to the development of Trinitarian and Christological thought. Second semester. Three credits.

Religion 331—*Studies in Historical Theology.*

The intensive study of a particular problem, theologian, or historical era. Three credits.

Religion 341—*Seminar on Major Religious Thinkers.*

This course will focus in depth on one major thinker of the Western religious tradition. A wide range of problems - theological, philosophical, historical, and aesthetic - will be discussed. Three credits.

Religion 366—*Theological Ethics.*

An attempt to discover the aspects that constitute moral selfhood. Readings in such thinkers as Royce, Buber, Niebuhr, Williams, Tillich and others. Three credits.

Religion 401-402—*Senior Seminar.*

The first semester's study involves all senior majors and staff in readings and discussion. The second semester of the seminar will be devoted to the preparation of a senior paper under the guidance of a department member. Students other than senior majors who have sufficient course work in Religion may register with permission of the department. Six credits for the year.

Religion 491, 492, 493, 494—Independent Study.

Individual work under the guidance of a member of the department. Three credits a semester. By permission of the department.

SOCIOLOGY/*Professor PHILIP J. ALLEN, Chairman; Professors L. C. CARTER, SLETTEN; Assistant Professor JESSEN; Instructors ELLIS, JONES; * Lecturer DIBBLE.*

The major program in sociology requires thirty-six credits in sociology and related social sciences. Twenty-four of these required credits must be earned in sociology courses other than Sociology 201-202. The twelve additional credit hours in related fields may be selected from other social sciences in consultation with the departmental adviser.

Sociology 201—Principles of Sociology.

A study of the basic characteristics of group life; status, role, society, and culture; interaction between persons and groups. Three periods a week for the first semester. Three credits.

Sociology 202—Social Problems.

Social change; deviance; social and personal disorganization; mobility; delinquency, crime; political, industrial and other group conflicts. Three periods a week for the second semester. Three credits.

Sociology 301-302—Introduction to Anthropology.

First semester foci: history of anthropology, physical anthropology, and archaeology. Second semester foci: ethnology, ethnography, linguistics, and primitive art. Three periods a week. Six credits.

Sociology 303—Culture and Personality.

Prerequisite: six hours of sociology. Impact of culture and social structure upon the individual, and particularly of sociocultural norms and values upon personal attitudes and behavior, with some focus upon behavior disorders. Three periods a week for the first semester. Three credits.

Sociology 311—Population.

Prerequisite: six hours of sociology. Analysis of historical and contemporary population composition and change, and how demographic structure is related to economic, political, religious and kinship structures. Three periods a week for first semester. Three credits.

*On leave 1970-71.

Sociology 312—*Migration.*

Prerequisite: six hours of sociology. Analysis of population movements, their causes, and effects. Foci: 19th and 20th century migrations and how these are related to contemporary economic and industrial development. Three periods a week for the second semester. Three credits.

Sociology 313—*Urban Society.*

Origin, character and significance of urban and metropolitan communities. Common problems of city living; ecological factors in growth of cities and their influence upon social behavior. Three periods a week for the second semester. Three credits.

Sociology 314—*Population Trends.*

World population trends, with special emphasis upon developing nations. Areas for intensive treatment: the "population explosion," its causes and consequences. Impact of population changes on world events. Three periods a week for the first semester. Three credits.

Sociology 331—*The Family.*

Prerequisite: six hours of sociology or psychology. A historical, social-psychological and cultural study of sex behavior, mate selection, courtship, marriage and family relations. Three periods a week for the first semester. Three credits.

Sociology 332-333—*Introduction to Social Welfare.*

Prerequisite: Sociology 201-202. First semester foci: historical backgrounds, philosophies, values, goals, and issues of human welfare concerns; social welfare as a social institution. Second semester foci: social work as a profession; fields, methods, policies, and consequences of social action or inaction. Three periods a week. Three credits per semester.

Sociology 341—*American Society.*

Analysis of major value patterns and institutions of American society and their interrelations, as well as of kinship, occupation, and authority systems. Three periods a week for the second semester. Three credits. (Offered in alternate years, not offered in 1971-72.)

Sociology 342—*Occupations and Social Structure.*

Analysis of major occupational roles; of relationships between occupation and kinship organization, as well as of social stratification, social philosophies, and political action. Three periods a week for the second semester. Three credits. (Offered in alternate years, offered in 1971-72.)

Sociology 351—*Juvenile Delinquency.*

Prerequisite: six hours of sociology or psychology. A sociological analysis of the nature, extent, causes, impact and treatment of juvenile delinquency. Three periods a week for the first semester. Three credits.

**COURSE
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Sociology

Sociology 352—Criminology.

Prerequisite: six hours of sociology or psychology. Crime as a reflector of social pathology; its nature, variation, extent, and recent trends; causal theories, mythical and scientific; upper and underworld organization; programs of crime control, prevention, and treatment. Three periods a week for the second semester. Three credits.

Sociology 353—Social Control.

Prerequisite: six hours of sociology or psychology. An analysis of social institutional norms; how they regulate and control individual behavior, inducing compliance with authority. Three periods a week for the first semester. Three credits.

Sociology 362—Methods of Social Research.

Prerequisite: six hours of sociology. Methods of investigating selected problems of current importance with emphasis upon individual work. Three periods a week for the first semester. Three credits.

Sociology 402—Sociology of Human Development.

Prerequisite: six hours of sociology or psychology. Analysis of microsocial structures and processes; socialization and its chief agents; impact of social interaction with siblings, parents and peers. Age-grading and orientation to vertical social gradients. Three periods a week for the second semester. Three credits.

Sociology 402—Sociology of Child Development.

Prerequisite: six hours of sociology or psychology. The emergence of personality with the child's socially defined roles in primary groups; social formation of attitudes through interaction with siblings, parents and peers. Three periods a week for the second semester. Three credits.

Sociology 421—Human Relations.

Racial and ethnic groups in America; minority-group consciousness; marginal persons and groups; inter-group tension, conflict, accommodation and cooperation. Three periods a week for the second semester. Three credits.

Sociology 422—Sociology of Religion.

Prerequisite: Sociology 201. A study of social factors in the origin, development and function of religious institutions, with emphasis upon the basic principles of Judeo-Christian tradition. Three periods a week for the first semester. Three credits.

Sociology 432—Sociology of Leadership.

Prerequisite: six hours of sociology or psychology. Causes and consequences of social stratification and social mobility; impact of culture, social structure and social interaction upon occupational achievement, personal creativity, inventiveness and leadership. Three periods a week for the second semester. Three credits. (Offered in alternate years, not offered in 1971-72.)

Sociology 481—History of Social Theory.

Prerequisite: six hours of sociology. A study of theories in the historical development of sociology. Three periods a week for the first semester. Three credits.

Sociology 482—*Contemporary Sociological Theory.*

Prerequisite: six hours of sociology. An analysis of current sociological theory. Three periods a week for the second semester. Three credits.

Sociology 489, 490—*Individual Study and Research.*

Not a regularly given course, but available to qualified students with the agreement of members of the department. Reading and research with a project or paper, under the guidance of a member of the department. Offered as required either semester. Three credits.

Sociology 491—*General Readings.*

Prerequisite: six hours of sociology. Selected works ranging over the "sociological classics." Three credits.

Sociology 492—*Special Readings.*

Prerequisite: six hours of sociology plus Sociology 491. Selected readings from various specialized areas: cultural anthropology, marriage and the family, social welfare, delinquency and crime, population, minority groups, social organization, social theory, and the sociology of religion. Three credits.

Concentration in Social Welfare for Sociology Majors:

Students electing a concentration in social welfare within their sociology major are provided supervised field placement in a social welfare agency, during one of the regular semesters, or during the summer. Such field placement is ordinarily concurrent with enrollment in a seminar in which an independent study is conducted (Sociology 489, 490). Students enrolled in such a seminar, usually in their senior year, are expected to have completed Sociology 332, plus other courses specified in consultation with the instructor.

Concentration in social welfare includes: (1) all the above-indicated requirements for sociology majors; (2) Sociology 332-333; (3) at least three courses selected from Sociology 311, 313, 331, 342, 352, 402, and 421; and (4) at least 120 hours of field placement. This program meets the requirements of the Council on Social Work Education of which the Sociology Department has been a constituent member since the 1950's.

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**COURSE
OFFERINGS**
Sociology



Interdepartmental Courses

The following courses are given either by two or more departments in cooperation or outside the department structure. The object is to cut across well-defined areas of knowledge and to show the relationships existing among them.

Character of Science I-II

This course satisfying the science requirements will be team taught by members of the Biology, Chemistry, Geology and Physics/Astronomy Departments. The unifying theme which will persist throughout the different units will be the methodology and character of science. In particular the aspects that will be stressed are (a) the capabilities and limitations of science, (b) the statistical character of natural phenomena and the limitations of measurement, (c) the "interfaces" as well as the contrasts between the disciplines, (d) the trends in scientific knowledge and the search for new laws, and (e) the social impact of science and technology.

3 1/2 weeks of Astronomy, 7 weeks of Physics, 7 weeks of Chemistry, 7 weeks of Biology, 3 1/2 weeks of Geology. Eight credits.

Inter-372—Continental Fiction.

A study of major examples of Continental novels and short stories. Four credits each semester.

Typewriting Courses

The courses do not carry college credit and are designed primarily to develop skill in typewriting for personal use. Proper techniques of typewriting and a mastery of the keyboard are developed. To facilitate registration, the following course numbers have been assigned:

Typewriting 121-122—

Three periods a week. No credit.

Directory



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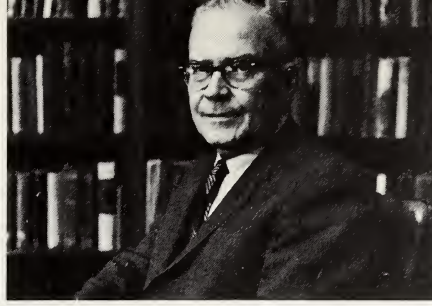
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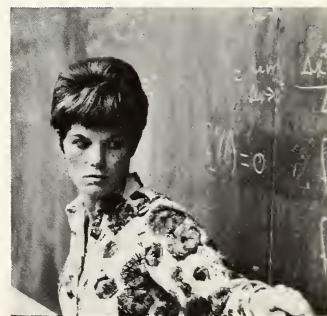
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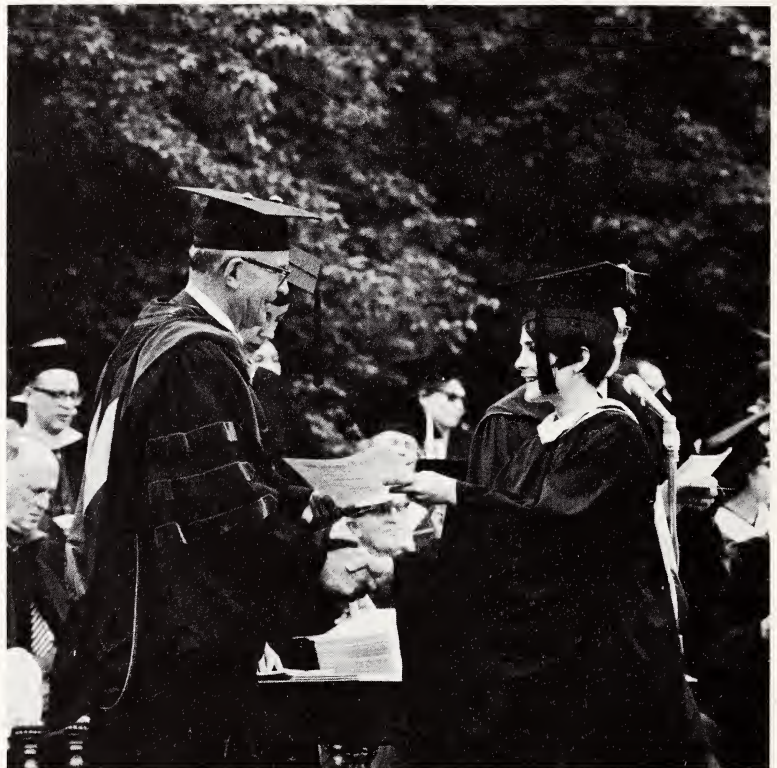
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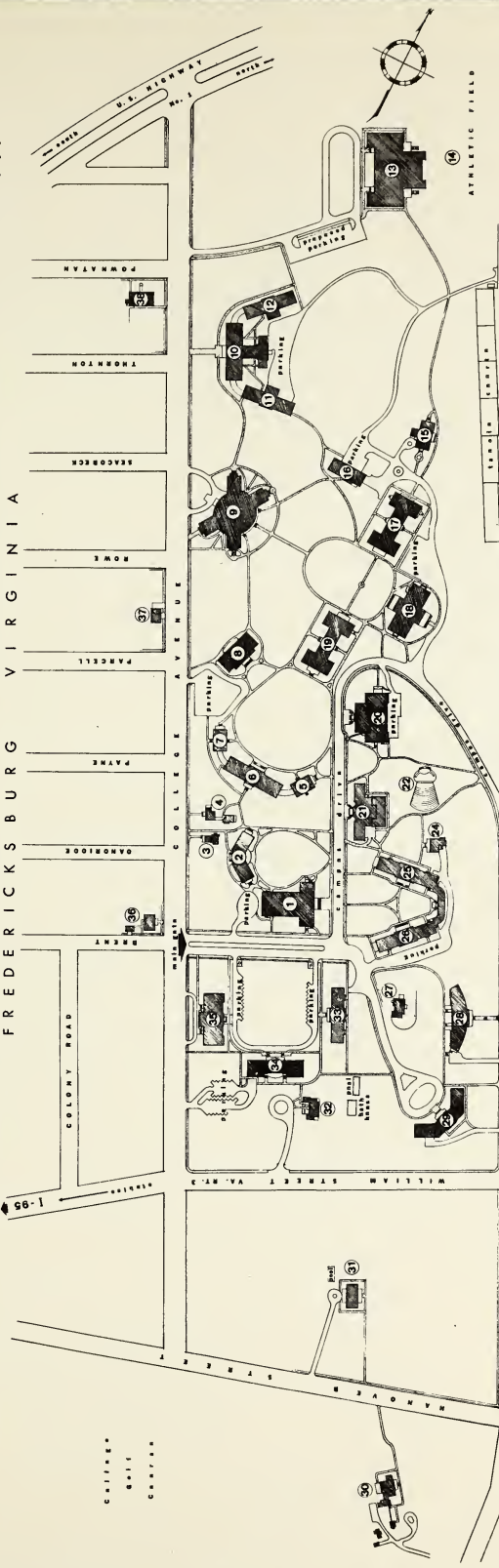
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